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Colorimetry — Part 3: CIE tristimulus values

*Colorimétrie —
Partie 3: Composantes trichromatiques CIE*

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Foreword

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Introduction

Colour stimuli with different spectral distributions can look alike. An important function of colorimetry is to determine which stimuli look alike to a given observer with a given set of colour-matching functions. This is done by calculating a set of three tristimulus values for each stimulus. Equality of tristimulus values indicates equality of colour appearance under equal irradiation and viewing conditions. This document is based on long-standing CIE recommendations (see CIE 15^[1]) for the calculation of tristimulus values.