

Converting Colors

XYZ(56.0571, 62.8443, 16.8593)

Have a look what the booklet for
XYZ(56.0571, 62.8443, 16.8593)
contains.

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Color

**XYZ(56.1731, 63.0033,
16.7896)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D250
RGB	227, 210, 80
RGB Percent	89%, 82%, 31%
CMY	0.1098, 0.1764, 0.6863
CMYK	0.00, 0.07, 0.65, 0.11
HSL	53°, 72%, 60%
HSV	53°, 65%, 89%
XYZ	56.1731, 63.0033, 16.7896
YIQ	200.2630, 51.8620, -36.8260

Conversions

Conversions Part 2

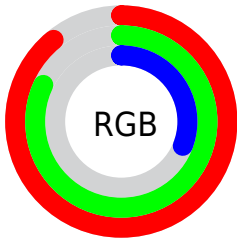
Format	Color
R _Y B	99, 227, 80
Decimal	14930512
CIE Lab	83.44, -9.04, 64.21
CIE LCh	83, 64.840, 98.015
Yxy	63.0033, 0.4131, 0.4634
Android (android.graphics.Color)	4293120592 (0xFFE3D250)
YUV	200.2630, -59.2897, 23.4483
Hunter-Lab	79.3746, -12.5818, 43.0210

Details

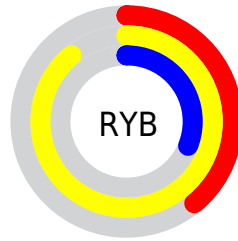
The XYZ color **56.1731, 63.0033, 16.7896** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **21.4480, 15.8005, 74.5919**, and the grayscale version is **55.3952, 58.2801, 63.4670**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **28.1381, 32.1422, 5.2513** is the 20% darker color. If you saturate the color by 10%, you get **54.8300, 61.4402, 12.8801**, and if you desaturate by 10%, it is **57.8130, 64.7069, 22.1968**.

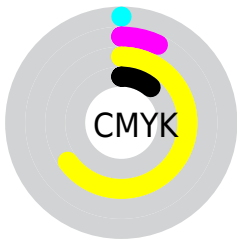
Distribution



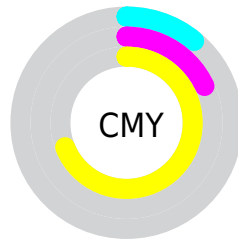
- Red (89%)
- Green (82%)
- Blue (31%)



- Red (39%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (7%)
- Yellow (65%)
- Black (11%)



- Cyan (11%)
- Magenta (18%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1731, 63.0033, 16.7896 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.1731, 63.0033, 16.7896 by changing the saturation by 10% instead.

■ 56.1731, 63.0033,
16.7896

■ 56.1731, 63.0033,
16.7896

400.4080,
435.5815, 245.9597

■ 40.5793, 45.8439,
9.9242

■ 98.3960, 109.1743,
38.7494

■ 28.1767, 32.1226,
5.2438

■ 125.7557,
138.9546, 54.6808

■ 18.6000, 21.4552,
2.3298

■ 157.7681,
173.7107, 74.4714

■ 11.4839, 13.4571,
0.7478

■ 194.7986,
213.8270, 98.5396

■ 6.4630, 7.7441,
0.0000

■ 237.2125,
259.6878, 127.3040

■ 3.1719, 3.9316,
0.0000

285.3751,

■ 1.2453, 1.6354,

311.6775, 161.1831

0.0000

339.6518,
370.1806, 200.5955

■ 0.1417, 0.3813,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.1731, 63.0033,
16.7896

■ 56.1731, 63.0033,
16.7896

■ 54.8300, 61.4402,
12.8801

■ 57.8130, 64.7069,
22.1968

■ 53.7493, 59.9967,
10.3071

■ 59.7712, 66.5524,
29.2332

■ 52.8960, 58.6609,
8.8795

■ 62.0718, 68.5521,
38.0204

■ 52.5085, 57.9911,
8.4259

■ 64.7357, 70.7144,
48.6673

■ 67.7819, 73.0468,
61.2740

■ 71.2281, 75.5567,
75.9335

■ 75.0909, 78.2507,
92.7327

■ 78.3041, 80.7024,
106.0578

■ 79.0442, 82.1824,
106.3045

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6434, 63.0033, 18.7805



56.1731, 63.0033, 16.7896



44.6571, 63.0033, 23.7373

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.1731, 63.0033, 16.7896



40.9227, 63.0033, 128.5620



88.7821, 63.0033, 102.0563

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.1731, 63.0033, 16.7896



21.4480, 15.8005, 74.5919

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2268, 63.0033, 150.0014



56.1731, 63.0033, 16.7896



50.2743, 63.0033, 169.0351

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.1731, 63.0033, 16.7896



36.8023, 63.0033, 80.0335



63.7522, 63.0033, 178.1319



91.0251, 63.0033, 58.3106

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.1731, 63.0033, 16.7896



39.6638, 63.0033, 35.0809



63.7522, 63.0033, 178.1319



86.0165, 63.0033, 118.6358

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.1746, 63.0063, 16.7909



86.4467, 93.7413, 72.2811



36.7121, 22.9346, 13.8387



18.2614, 19.8785, 14.4731



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.1746, 63.0063, 16.7909



70.8147, 79.2634, 15.3213



45.6357, 64.1358, 17.5644



15.4519, 16.5177, 15.2783



30.6789, 33.9319, 4.9326



2.3076, 2.5885, 0.3780

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.4480, 15.8005, 74.5919



22.4892, 13.6691, 96.0608



26.9446, 16.5477, 74.4464



13.7163, 14.1541, 18.1534



8.3477, 3.7575, 42.6685



0.6615, 0.3670, 3.1679

Previews

White Background



This preview shows how the XYZ color 56.1731, 63.0033, 16.7896 looks on a white background.

Color Contrast Check

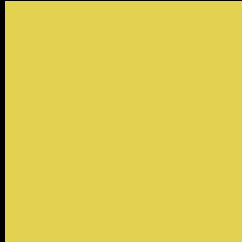
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 56.1731, 63.0033, 16.7896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1731, 63.0033, 16.7896

Background



This preview shows how black text looks on a background with the XYZ color 56.1731, 63.0033, 16.7896.



This preview shows how white text looks on a background with the XYZ color 56.1731, 63.0033,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.1731, 63.0033, 16.7896

Protanopia

57.2826, 62.8467, 16.7009

Deuteranopia

63.7830, 62.5878, 21.0308



Tritanopia

67.1098, 62.8631, 70.8841

Trichromacy



Original Color

56.1731, 63.0033, 16.7896

Protanomaly

56.8816, 63.0031, 16.7523

Deuteranomaly

60.7525, 62.4439, 19.2068

Tritanomaly

61.7531, 62.4138, 43.9143

Monochromacy



Original Color

56.1731, 63.0033, 16.7896

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.1720, 59.2877, 40.0410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1731, 63.0033, 16.7896 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 210, 80)` looks like.

```
.text, #text, p{  
    color:rgb(227, 210, 80)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 210, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 210, 80) }
```

Border

The CSS property to change the border of an element to XYZ 56.1731, 63.0033, 16.7896 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 210, 80) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 210, 80) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 210, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 210, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 210, 80);  
box-shadow:4px 4px 4px 4px rgb(227, 210,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1731, 63.0033, 16.7896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 210, 80) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
210, 80) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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