

Converting Colors

XYZ(62.9688, 63.6259, 12.5386)

Have a look what the booklet for
XYZ(62.9688, 63.6259, 12.5386)
contains.

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Color

**XYZ(63.0501, 63.7769,
12.6015)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA37
RGB	255, 202, 55
RGB Percent	100%, 79%, 22%
CMY	0.0000, 0.2078, 0.7843
CMYK	0.00, 0.21, 0.78, 0.00
HSL	44°, 100%, 61%
HSV	44°, 78%, 100%
XYZ	63.0501, 63.7769, 12.6015
YIQ	201.0890, 78.7750, -34.4810

Conversions

Conversions Part 2

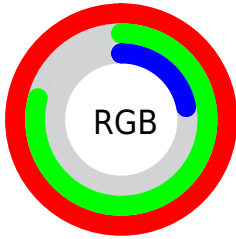
Format	Color
RYB	127, 255, 55
Decimal	16763447
CIELab	83.85, 5.68, 74.69
CIELCh	84, 74.905, 85.651
Yxy	63.7769, 0.4522, 0.4574
Android (android.graphics.Color)	4294953527 (0xFFFFCA37)
YUV	201.0890, -72.0219, 47.2799
Hunter-Lab	79.8604, 1.1706, 46.5467

Details

The XYZ color **63.0501, 63.7769, 12.6015** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **24.9880, 18.7570, 96.9104**, and the grayscale version is **55.9728, 58.8878, 64.1288**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **32.8380, 32.6491, 4.5712** is the 20% darker color. If you saturate the color by 10%, you get **61.0390, 60.4935, 9.6548**, and if you desaturate by 10%, it is **65.4489, 67.3315, 17.2345**.

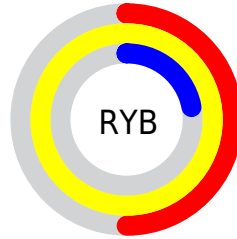
Distribution



Red (100%)

Green (79%)

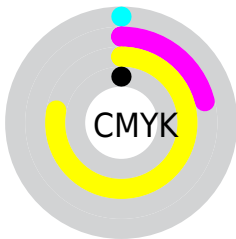
Blue (22%)



Red (50%)

Yellow (100%)

Blue (22%)

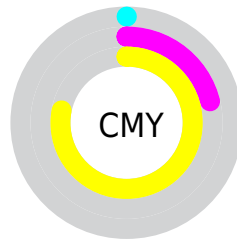


Cyan (0%)

Magenta (21%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0501, 63.7769, 12.6015 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 63.0501, 63.7769, 12.6015 by changing the saturation by 10% instead.


 63.0501, 63.7769,
12.6015


 63.0501, 63.7769,
12.6015


425.4081,
438.3835, 219.4651


 46.1405, 46.4700,
7.0272


 108.3232,
110.2896, 31.2666


 32.5618, 32.6169,
3.4004


 137.4174,
140.2641, 45.1945


 21.9486, 21.8331,
1.3026


 171.3040,
175.2300, 62.7440

 13.9355, 13.7343,
0.0639

 210.3481,
215.5717, 84.3338

 8.1572, 7.9361,
0.0000

 254.9152,
261.6735, 110.3822

 4.2484, 4.0541,
0.0000

305.3707,

 1.8436, 1.7039,

313.9198, 141.3078

0.0000

362.0799,
372.6950, 177.5293

■ 0.5437, 0.4262,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0501, 63.7769,
12.6015

■ 63.0501, 63.7769,
12.6015

■ 61.0390, 60.4935,
9.6548

■ 65.4489, 67.3315,
17.2345

■ 59.3505, 57.4463,
8.0752

■ 68.2746, 71.1669,
23.7753

■ 59.1018, 56.9841,
7.8840

■ 71.5657, 75.3021,
32.4156

■ 75.3546, 79.7516,
43.3226

■ 79.6706, 84.5284,
56.6467

■ 84.5407, 89.6446,
72.5252

■ 89.9896, 95.1113,
91.0849

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



80.2872, 63.7769, 18.2701



63.0501, 63.7769, 12.6015



47.9236, 63.7769, 15.5904

Triad

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



63.0501, 63.7769, 12.6015



36.3292, 63.7769, 116.5344



90.6832, 63.7769, 134.1699

Complementary

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



63.0501, 63.7769, 12.6015



24.9880, 18.7570, 96.9104

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.



75.3769, 63.7769, 187.3911



63.0501, 63.7769, 12.6015



44.4562, 63.7769, 174.3804

Square

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



63.0501, 63.7769, 12.6015



34.2191, 63.7769, 62.7924



58.2493, 63.7769, 204.7071



97.9704, 63.7769, 76.5457

Rectangle

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



63.0501, 63.7769, 12.6015



40.6853, 63.7769, 23.3976



58.2493, 63.7769, 204.7071



86.1842, 63.7769, 154.0300

Sweetspot

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



63.0515, 63.7800, 12.6027



81.7584, 86.7526, 63.3570



45.3309, 25.0826, 16.7339



17.1384, 18.1846, 12.3971



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.



63.0515, 63.7800, 12.6027



60.0655, 58.7696, 8.6411



62.5559, 85.2537, 16.7737



19.1301, 20.2284, 19.0405



31.0111, 30.0333, 4.1626



3.1090, 3.1033, 0.4351

Inverse Universe

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



24.9880, 18.7570, 96.9104



21.0345, 12.8891, 95.9870



24.8586, 12.7584, 95.7594



17.3944, 18.1604, 22.8385



10.6012, 6.1120, 50.0556



1.1171, 0.7649, 4.9020

Previews

White Background



This preview shows how the XYZ color 63.0501, 63.7769, 12.6015 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 63.0501, 63.7769, 12.6015 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 63.0501, 63.7769, 12.6015

Background



This preview shows how black text looks on a background with the XYZ color 63.0501, 63.7769, 12.6015.



This preview shows how white text looks on a background with the XYZ color 63.0501, 63.7769,

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

63.0501, 63.7769, 12.6015

Protanopia

58.0461, 64.0508, 13.1746

Deuteranopia

64.3425, 63.5478, 21.7067



Tritanopia

71.2090, 63.7596, 65.6804

Trichromacy



Original Color

63.0501, 63.7769, 12.6015

Protanomaly

59.6446, 63.7884, 12.9102

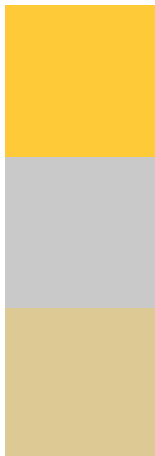
Deuteranomaly

63.8064, 63.7052, 17.7375

Tritanomaly

66.4849, 62.9419, 37.4990

Monochromacy



Original Color

63.0501, 63.7769, 12.6015

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

56.0507, 59.2836, 36.5057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0501, 63.7769, 12.6015 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(255, 202, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 55)  
}
```

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(255, 202, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 55) }
```

Border

The CSS property to change the border of an element to XYZ 63.0501, 63.7769, 12.6015 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(255, 202, 55) }
```


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

```
.border{ border-color:rgb(255, 202, 55) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0501, 63.7769, 12.6015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 55) }
```

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

```
.background{ background-color: rgb(255,  
202, 55) }
```

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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