

Converting Colors

XYZ(61.0204, 63.0906, 12.0936)

Have a look what the booklet for
XYZ(61.0204, 63.0906, 12.0936)
contains.

XYZ(61.0204, 63.0906, 12.0936)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.0204, 63.0906,
12.0936)**

Conversions

Conversions Part 1

Format	Color
Hex	F9CB33
RGB	249, 203, 51
RGB Percent	98%, 80%, 20%
CMY	0.0235, 0.2039, 0.8000
CMYK	0.00, 0.18, 0.80, 0.02
HSL	46°, 94%, 59%
HSV	46°, 80%, 98%
XYZ	61.0204, 63.0906, 12.0936
YIQ	199.4260, 76.2080, -37.5200

Conversions

Conversions Part 2

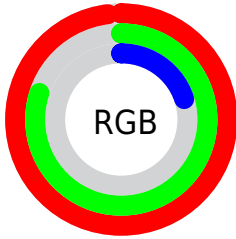
Format	Color
RYB	111, 249, 51
Decimal	16370483
CIELab	83.49, 2.50, 75.40
CIELCh	83, 75.438, 88.101
Yxy	63.0906, 0.4480, 0.4632
Android (android.graphics.Color)	4294560563 (0xFFF9CB33)
YUV	199.4260, -73.1740, 43.4764
Hunter-Lab	79.4296, -1.8723, 46.5735

Details

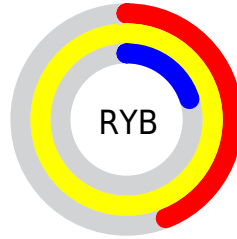
The XYZ color **61.0204, 63.0906, 12.0936** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **22.7390, 16.0927, 91.5296**, and the grayscale version is **54.9510, 57.8127, 62.9581**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **31.4865, 32.1863, 4.5531** is the 20% darker color. If you saturate the color by 10%, you get **59.2711, 60.2483, 9.4887**, and if you desaturate by 10%, it is **63.1171, 66.1584, 16.2637**.

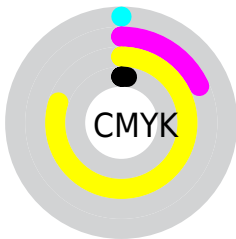
Distribution



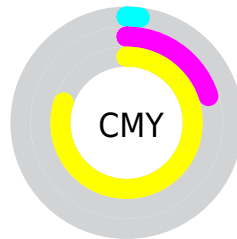
- Red (98%)
- Green (80%)
- Blue (20%)



- Red (44%)
- Yellow (98%)
- Blue (20%)



- Cyan (0%)
- Magenta (18%)
- Yellow (80%)
- Black (2%)





- Cyan (2%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.0204, 63.0906, 12.0936 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 61.0204, 63.0906, 12.0936 by changing the saturation by 10% instead.


 61.0204, 63.0906,
12.0936


 61.0204, 63.0906,
12.0936


418.1235,
435.8982, 216.0238


 44.4942, 45.9145,
6.6841


 105.4064,
109.3002, 30.3324

 31.2588, 32.1784,
3.1899

 133.9970,
139.1025, 43.9988


 20.9488, 21.4978,
1.1924


 167.3397,
173.8823, 61.2547

 13.1988, 13.4883,
0.0000

 205.8000,
214.0241, 82.5185

 7.6435, 7.7657,
0.0000

 249.7432,
259.9122, 108.2087

 3.9176, 3.9454,
0.0000

299.5346,

 1.6556, 1.6431,

311.9309, 138.7440

0.0000

355.5396,
370.4648, 174.5429

■ 0.4282, 0.3864,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.0204, 63.0906,
12.0936

■ 61.0204, 63.0906,
12.0936

■ 59.2711, 60.2483,
9.4887

■ 63.1171, 66.1584,
16.2637


■ 57.7998, 57.5954,
8.1053


■ 65.5984, 69.4600,
22.2120


■ 57.7319, 57.4702,
8.0501


■ 68.5011, 73.0134,
30.1221


■ 71.8559, 76.8318,
40.1536

 75.6905, 80.9269,
52.4498

 80.0301, 85.3098,
67.1412

 84.8981, 89.9907,
84.3486

 90.3164, 94.9790,
104.1845

 92.8766, 98.8796,
108.7983

Harmonies

Analogous

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



78.2909, 63.0906, 16.9029



61.0204, 63.0906, 12.0936



46.2604, 63.0906, 15.7510

Triad

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



61.0204, 63.0906, 12.0936



36.1578, 63.0906, 120.8398



91.0452, 63.0906, 128.5788

Complementary

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



61.0204, 63.0906, 12.0936



22.7390, 16.0927, 91.5296

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.



76.1414, 63.0906, 183.6693



61.0204, 63.0906, 12.0936



44.7495, 63.0906, 177.9449

Square

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



61.0204, 63.0906, 12.0936



33.5718, 63.0906, 65.7355



58.9233, 63.0906, 204.9260



97.4814, 63.0906, 71.7419

Rectangle

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



61.0204, 63.0906, 12.0936



39.3602, 63.0906, 24.2049



58.9233, 63.0906, 204.9260



86.7397, 63.0906, 148.7372

Sweetspot

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



61.0218, 63.0937, 12.0948



82.3464, 87.9286, 63.5530



42.4180, 23.3747, 13.6355



17.2812, 18.4701, 12.4447



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.



61.0218, 63.0937, 12.0948



61.6716, 62.0096, 9.0910



57.2904, 79.7527, 15.5070



18.3656, 19.4670, 18.2519



31.0169, 30.9904, 4.3470



2.9527, 3.0302, 0.4293

Inverse Universe

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



22.7390, 16.0927, 91.5296



20.3419, 11.5628, 95.7674



23.9691, 12.1391, 90.7017



16.6102, 17.2972, 21.8485



10.0473, 5.4501, 48.4960



1.0077, 0.6590, 4.5173

Previews

White Background



This preview shows how the XYZ color 61.0204, 63.0906, 12.0936 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 61.0204, 63.0906, 12.0936 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 61.0204, 63.0906, 12.0936

Background



This preview shows how black text looks on a background with the XYZ color 61.0204, 63.0906, 12.0936.



This preview shows how white text looks on a background with the XYZ color 61.0204, 63.0906,

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

61.0204, 63.0906, 12.0936

Protanopia

57.3520, 63.3413, 12.4521

Deuteranopia

63.8211, 62.9699, 20.0999



Tritanopia

70.7699, 62.8812, 65.5341

Trichromacy



Original Color

61.0204, 63.0906, 12.0936

Protanomaly

58.5293, 63.2243, 12.3675

Deuteranomaly

62.6103, 62.7704, 16.4054

Tritanomaly

65.3684, 62.0510, 36.5487

Monochromacy



Original Color

61.0204, 63.0906, 12.0936

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

54.3804, 58.1046, 35.1372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.0204, 63.0906, 12.0936 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(249, 203, 51)` looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 51)  
}
```

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(249, 203, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 51) }
```

Border

The CSS property to change the border of an element to XYZ 61.0204, 63.0906, 12.0936 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(249, 203, 51) }
```


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

```
.border{ border-color:rgb(249, 203, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 203, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 203, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 203, 51);  
box-shadow:4px 4px 4px 4px rgb(249, 203,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 61.0204, 63.0906, 12.0936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 51) }
```

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

```
.background{ background-color: rgb(249,  
203, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor