

Converting Colors

XYZ(61.1029, 64.1271, 12.0811)

Have a look what the booklet for
XYZ(61.1029, 64.1271, 12.0811)
contains.

XYZ(60.9835, 64.1385, 12.0715)	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(60.9835, 64.1385,
12.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	F7CE31
RGB	247, 206, 49
RGB Percent	97%, 81%, 19%
CMY	0.0314, 0.1921, 0.8078
CMYK	0.00, 0.17, 0.80, 0.03
HSL	48°, 93%, 58%
HSV	48°, 80%, 97%
XYZ	60.9835, 64.1385, 12.0715
YIQ	200.3610, 74.8330, -40.1350

Conversions

Conversions Part 2

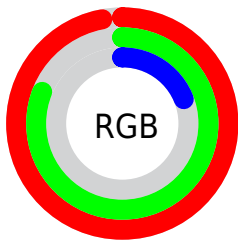
Format	Color
R _Y B	101, 247, 49
Decimal	16240177
CIE Lab	84.04, 0.05, 76.40
CIE LCh	84, 76.400, 89.961
Yxy	64.1385, 0.4445, 0.4675
Android (android.graphics.Color)	4294430257 (0xFF7CE31)
YUV	200.3610, -74.6210, 40.9024
Hunter-Lab	80.0865, -4.2290, 47.1237

Details

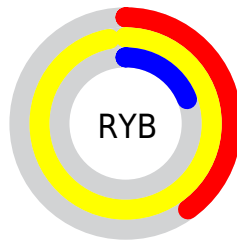
The XYZ color **60.9835, 64.1385, 12.0715** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **21.7115, 14.6807, 89.6845**, and the grayscale version is **55.5380, 58.4303, 63.6306**.

A 20% lighter version of the original color is **79.7603, 93.8841, 28.3856**, and **31.4779, 32.8956, 4.6904** is the 20% darker color. If you saturate the color by 10%, you get **59.3873, 61.5645, 9.6341**, and if you desaturate by 10%, it is **62.9079, 66.9129, 16.0267**.

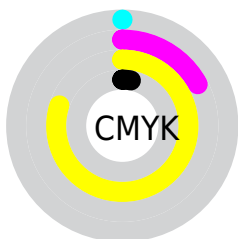
Distribution



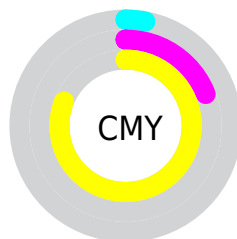
- Red (97%)
- Green (81%)
- Blue (19%)



- Red (40%)
- Yellow (97%)
- Blue (19%)



- Cyan (0%)
- Magenta (17%)
- Yellow (80%)
- Black (3%)





- Cyan (3%)
- Magenta (19%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9835, 64.1385, 12.0715 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 60.9835, 64.1385, 12.0715 by changing the saturation by 10% instead.


 60.9835, 64.1385,
12.0715

 60.9835, 64.1385,
12.0715


417.9904,
439.6896, 215.8727


 44.4643, 46.7629,
6.6693


 105.3533,
110.8104, 30.2916

 31.2352, 32.8482,
3.1808


 133.9346,
140.8754, 43.9465


 20.9307, 22.0102,
1.1877


 167.2674,
175.9390, 61.1895

 13.1855, 13.8644,
0.0000

 205.7170,
216.3856, 82.4389

 7.6343, 8.0264,
0.0000

 249.6487,
262.5996, 108.1134

 3.9117, 4.1119,
0.0000

299.4280,

 1.6523, 1.7363,

314.9653, 138.6315

0.0000

355.4201,
373.8672, 174.4118

■ 0.4261, 0.4470,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9835, 64.1385,
12.0715

■ 60.9835, 64.1385,
12.0715

■ 59.3873, 61.5645,
9.6341


■ 62.9079, 66.9129,
16.0267


■ 58.0660, 59.1908,
8.3646


■ 65.1974, 69.8955,
21.7110


■ 67.8879, 73.1038,
29.3062


■ 71.0098, 76.5505,
38.9697

 74.5901, 80.2470,
50.8430

 78.6538, 84.2038,
65.0547

 83.2236, 88.4306,
81.7237

 88.3210, 92.9365,
100.9608

 91.2280, 96.6349,
108.4519

Harmonies

Analogous

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



78.6636, 64.1385, 16.3670



60.9835, 64.1385, 12.0715



46.1685, 64.1385, 16.3433

Triad

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



60.9835, 64.1385, 12.0715



36.9773, 64.1385, 127.1914



93.5358, 64.1385, 127.3525

Complementary

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



60.9835, 64.1385, 12.0715



21.7115, 14.6807, 89.6845

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.



78.6189, 64.1385, 185.0361



60.9835, 64.1385, 12.0715



46.1372, 64.1385, 184.9167

Square

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



60.9835, 64.1385, 12.0715



33.9603, 64.1385, 69.7736



60.9399, 64.1385, 209.8132



99.4457, 64.1385, 69.8983

Rectangle

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



60.9835, 64.1385, 12.0715



39.3663, 64.1385, 25.5321



60.9399, 64.1385, 209.8132



89.2878, 64.1385, 148.1625

Sweetspot

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



60.9850, 64.1416, 12.0728



82.8053, 88.8464, 63.7060



41.3838, 22.7423, 12.3120



17.3927, 18.6933, 12.4819



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.



60.9850, 64.1416, 12.0728



62.9640, 64.6185, 9.4470



55.2762, 77.8066, 15.0113



17.6063, 18.6968, 17.4785



30.8149, 31.5153, 4.4589



2.7799, 2.9130, 0.4157

Inverse Universe

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



21.7115, 14.6807, 89.6845



19.8402, 10.6109, 95.6102



23.7250, 11.9221, 89.0460



15.8591, 16.4825, 20.8881



9.5894, 4.9726, 46.9924



0.9136, 0.5786, 4.1538

Previews

White Background



This preview shows how the XYZ color 60.9835, 64.1385, 12.0715 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 60.9835, 64.1385, 12.0715 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 60.9835, 64.1385, 12.0715

Background



This preview shows how black text looks on a background with the XYZ color 60.9835, 64.1385, 12.0715.



This preview shows how white text looks on a background with the XYZ color 60.9835, 64.1385,

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

60.9835, 64.1385, 12.0715

Protanopia

58.2144, 64.1563, 12.3328

Deuteranopia

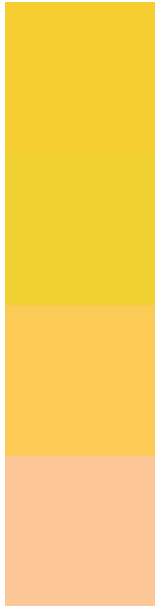
64.6764, 64.0532, 22.3193



Tritanopia

71.5724, 63.9049, 67.5941

Trichromacy



Original Color

60.9835, 64.1385, 12.0715

Protanomaly

59.3114, 64.3565, 12.3136

Deuteranomaly

63.1405, 64.0632, 17.6319

Tritanomaly

65.8440, 63.2856, 37.5992

Monochromacy



Original Color

60.9835, 64.1385, 12.0715

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.8466, 59.0371, 35.2926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9835, 64.1385, 12.0715 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(247, 206, 49)` looks like.

```
.text, #text, p{  
    color:rgb(247, 206, 49)  
}
```

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(247, 206, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 206, 49) }
```

Border

The CSS property to change the border of an element to XYZ 60.9835, 64.1385, 12.0715 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(247, 206, 49) }
```


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

```
.border{ border-color:rgb(247, 206, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 206, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 206, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 206, 49);  
box-shadow:4px 4px 4px 4px rgb(247, 206,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9835, 64.1385, 12.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 206, 49) }
```

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

```
.background{ background-color: rgb(247,  
206, 49) }
```

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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