

Converting Colors

XYZ(63.3478, 64.4800, 12.3683)

Have a look what the booklet for
XYZ(63.3478, 64.4800, 12.3683)
contains.

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Color

**XYZ(63.4527, 64.6937,
12.3916)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFCC34 |
| RGB | 255, 204, 52 |
| RGB Percent | 100%, 80%, 20% |
| CMY | 0.0000, 0.2000, 0.7961 |
| CMYK | 0.00, 0.20, 0.80, 0.00 |
| HSL | 45°, 100%, 60% |
| HSV | 45°, 80%, 100% |
| XYZ | 63.4527, 64.6937, 12.3916 |
| YIQ | 201.9210, 79.1880, -36.4600 |

Conversions

Conversions Part 2

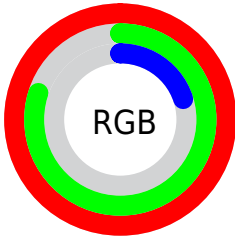
| Format | Color |
|-------------------------------------|--|
| RYB | 120, 255, 52 |
| Decimal | 16763956 |
| CIELab | 84.33, 4.55, 76.05 |
| CIELCh | 84, 76.190, 86.573 |
| Yxy | 64.6937, 0.4515, 0.4603 |
| Android (android.graphics.Color) | 4294954036 (0xFFFFCC34) |
| YUV | 201.9210, -73.9111, 46.5503 |
| Hunter-Lab | 80.4324, 0.0610, 47.1683 |

Details

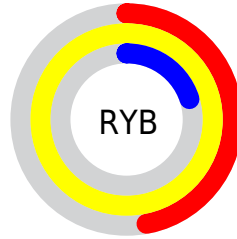
The XYZ color **63.4527, 64.6937, 12.3916** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **24.3164, 17.6503, 96.7322**, and the grayscale version is **56.5036, 59.4461, 64.7369**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **33.1545, 33.2820, 4.6766** is the 20% darker color. If you saturate the color by 10%, you get **61.5349, 61.5429, 9.6429**, and if you desaturate by 10%, it is **65.7458, 68.1000, 16.7946**.

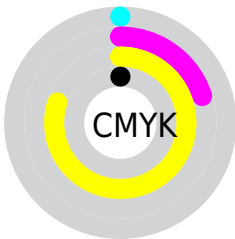
Distribution



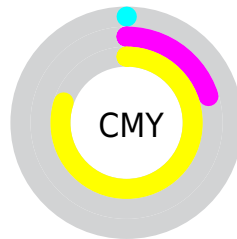
- Red (100%)
- Green (80%)
- Blue (20%)



- Red (47%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (20%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4527, 64.6937, 12.3916 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 63.4527, 64.6937, 12.3916 by changing the saturation by 10% instead.


 63.4527, 64.6937,
12.3916

 63.4527, 64.6937,
12.3916


426.8442,
441.6904, 218.0499


 46.4676, 47.2128,
6.8852


 108.9005,
111.6094, 30.8813


 32.8211, 33.2039,
3.3130


 138.0939,
141.8129, 44.7018


 22.1480, 22.2827,
1.2566


 172.0874,
177.0261, 62.1306

 14.0829, 14.0648,
0.0258

 211.2464,
217.6333, 83.5864

 8.2604, 8.1657,
0.0000

 255.9362,
264.0189, 109.4877

 4.3153, 4.2012,
0.0000

306.5222,

 1.8820, 1.7867,

316.5674, 140.2530

0.0000

363.3697,
375.6631, 176.3009

■ 0.5663, 0.4789,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4527, 64.6937,
12.3916

■ 63.4527, 64.6937,
12.3916

■ 61.5349, 61.5429,
9.6429

■ 65.7458, 68.1000,
16.7946

■ 59.9187, 58.6091,
8.1835

■ 68.4542, 71.7713,
23.0788

■ 59.8581, 58.4966,
8.1361

■ 71.6168, 75.7267,
31.4391

■ 75.2667, 79.9807,
42.0451

■ 79.4331, 84.5461,
55.0488

■ 84.1432, 89.4348,
70.5888

■ 89.4219, 94.6578,
88.7933

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.



81.1873, 64.6937, 17.8146



63.4527, 64.6937, 12.3916



48.0662, 64.6937, 15.6808

Triad

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



63.4527, 64.6937, 12.3916



36.7615, 64.6937, 120.8223



92.7985, 64.6937, 135.1638

Complementary

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



63.4527, 64.6937, 12.3916



24.3164, 17.6503, 96.7322

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.



77.2044, 64.6937, 190.7893



63.4527, 64.6937, 12.3916



45.2670, 64.6937, 180.1812

Square

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



63.4527, 64.6937, 12.3916



34.4178, 64.6937, 65.0218



59.5671, 64.6937, 210.1944



99.9726, 64.6937, 76.1521

Rectangle

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



63.4527, 64.6937, 12.3916



40.7769, 64.6937, 23.8732



59.5671, 64.6937, 210.1944



88.2424, 64.6937, 155.7565

Sweetspot

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



63.4542, 64.6969, 12.3929



82.0054, 87.2465, 63.4394



45.0766, 24.7598, 16.0765



17.1984, 18.3045, 12.4171



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.



63.4542, 64.6969, 12.3929



60.4779, 59.6464, 8.6183



62.2893, 85.1243, 16.3972



19.1522, 20.2725, 19.0479



31.4025, 30.8162, 4.2930



3.1443, 3.1740, 0.4469

Inverse Universe

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



24.3164, 17.6503, 96.7322



20.4753, 11.8811, 95.8219



24.4643, 12.3501, 95.7014



17.3737, 18.1190, 22.8316



10.4902, 5.8900, 50.0186



1.1038, 0.7383, 4.8976

Previews

White Background



This preview shows how the XYZ color 63.4527, 64.6937, 12.3916 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 63.4527, 64.6937, 12.3916 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 63.4527, 64.6937, 12.3916

Background



This preview shows how black text looks on a background with the XYZ color 63.4527, 64.6937, 12.3916.



This preview shows how white text looks on a background with the XYZ color 63.4527, 64.6937,

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

63.4527, 64.6937, 12.3916

Protanopia

58.8852, 64.8594, 12.9056

Deuteranopia

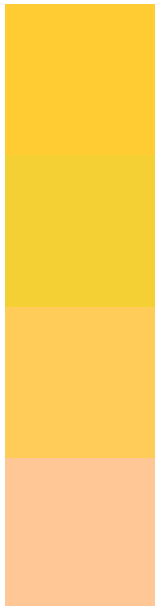
65.1750, 64.6268, 23.7910



Tritanopia

71.8957, 64.7464, 67.1005

Trichromacy



Original Color

63.4527, 64.6937, 12.3916

Protanomaly

60.5067, 64.6019, 12.6485

Deuteranomaly

64.3991, 64.6931, 18.5440

Tritanomaly

66.9391, 63.8502, 37.6504

Monochromacy



Original Color

63.4527, 64.6937, 12.3916

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

56.4412, 60.1906, 36.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4527, 64.6937, 12.3916 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, 204, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 52)  
}
```

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, 204, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 52) }
```

Border

The CSS property to change the border of an element to XYZ 63.4527, 64.6937, 12.3916 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, 204, 52) }
```


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

```
.border{ border-color:rgb(255, 204, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4527, 64.6937, 12.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 52) }
```

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

```
.background{ background-color: rgb(255,  
204, 52) }
```

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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