

Converting Colors

XYZ(62.7206, 63.2653, 12.0380)

Have a look what the booklet for
XYZ(62.7206, 63.2653, 12.0380)
contains.

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Color

**XYZ(62.7242, 63.2723,
12.0388)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC933
RGB	255, 201, 51
RGB Percent	100%, 79%, 20%
CMY	0.0000, 0.2117, 0.8000
CMYK	0.00, 0.21, 0.80, 0.00
HSL	44°, 100%, 60%
HSV	44°, 80%, 100%
XYZ	62.7242, 63.2723, 12.0388
YIQ	200.0460, 80.3340, -35.2020

Conversions

Conversions Part 2

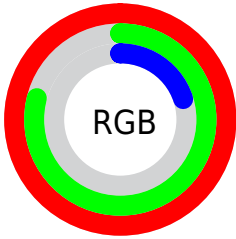
Format	Color
RYB	124, 255, 51
Decimal	16763187
CIELab	83.59, 6.07, 75.71
CIELCh	84, 75.949, 85.419
Yxy	63.2723, 0.4544, 0.4584
Android (android.graphics.Color)	4294953267 (0xFFFFC933)
YUV	200.0460, -73.4797, 48.1947
Hunter-Lab	79.5439, 1.5541, 46.7073

Details

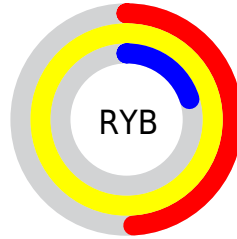
The XYZ color **62.7242, 63.2723, 12.0388** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **24.4668, 18.0267, 96.7971**, and the grayscale version is **55.3337, 58.2154, 63.3965**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **32.4260, 32.2049, 4.5071** is the 20% darker color. If you saturate the color by 10%, you get **60.7699, 60.0306, 9.3327**, and if you desaturate by 10%, it is **65.0583, 66.7816, 16.3912**.

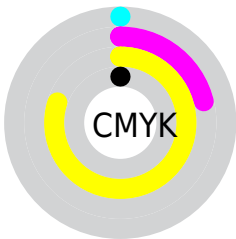
Distribution



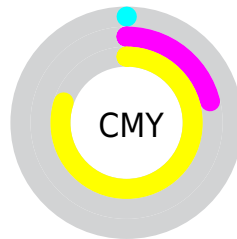
- Red (100%)
- Green (79%)
- Blue (20%)



- Red (49%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (21%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7242, 63.2723, 12.0388 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 62.7242, 63.2723, 12.0388 by changing the saturation by 10% instead.

62.7242, 63.2723,
12.0388

62.7242, 63.2723,
12.0388

424.2434,
436.5570, 215.6490

45.8759, 46.0615,
6.6472

107.8556,
109.5623, 30.2312

32.3521, 32.2944,
3.1674

136.8694,
139.4102, 43.8691

21.7875, 21.5865,
1.1807

170.6691,
174.2394, 61.0929

13.8165, 13.5533,
0.0000

209.6200,
214.4342, 82.3212

8.0740, 7.8107,
0.0000

254.0876,
260.3789, 107.9723

4.1946, 3.9740,
0.0000

304.4371,

1.8128, 1.6591,

312.4581, 138.4650

0.0000

361.0339,
371.0560, 174.2177

■ 0.5254, 0.3969,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7242, 63.2723,
12.0388

■ 62.7242, 63.2723,
12.0388

■ 60.7699, 60.0306,
9.3327

■ 65.0583, 66.7816,
16.3912

■ 59.1181, 57.0166,
7.8896

■ 67.8129, 70.5686,
22.6189

■ 59.1177, 57.0159,
7.8893

■ 71.0273, 74.6528,
30.9178

■ 74.7344, 79.0489,
41.4585

■ 78.9642, 83.7699,
54.3935

■ 83.7437, 88.8282,
69.8620

■ 89.0981, 94.2349,
87.9924

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



80.1367, 63.2723, 17.7076



62.7242, 63.2723, 12.0388



47.4508, 63.2723, 14.9168

Triad

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



62.7242, 63.2723, 12.0388



35.6689, 63.2723, 116.0562



90.4350, 63.2723, 134.8984

Complementary

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



62.7242, 63.2723, 12.0388



24.4668, 18.0267, 96.7971

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.



74.9073, 63.2723, 188.8463



62.7242, 63.2723, 12.0388



43.7791, 63.2723, 174.9026

Square

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



62.7242, 63.2723, 12.0388



33.6007, 63.2723, 61.8459



57.6247, 63.2723, 206.1095



97.9003, 63.2723, 76.4556

Rectangle

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



62.7242, 63.2723, 12.0388



40.1468, 63.2723, 22.5842



57.6247, 63.2723, 206.1095



85.8607, 63.2723, 155.0494

Sweetspot

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



62.7256, 63.2754, 12.0400



81.7636, 86.7630, 63.3588



44.9944, 24.6563, 15.8614



17.1397, 18.1872, 12.3976



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.



62.7256, 63.2754, 12.0400



59.7542, 58.1990, 8.3770



62.2017, 85.0818, 16.2767



19.1306, 20.2293, 19.0407



31.0193, 30.0498, 4.1653



3.1097, 3.1048, 0.4354

Inverse Universe

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



24.4668, 18.0267, 96.7971



20.6933, 12.3170, 95.8945



24.3364, 12.2185, 95.6828



17.3940, 18.1595, 22.8383



10.5988, 6.1071, 50.0548



1.1168, 0.7643, 4.9019

Previews

White Background



This preview shows how the XYZ color 62.7242, 63.2723, 12.0388 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 62.7242, 63.2723, 12.0388 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 62.7242, 63.2723, 12.0388

Background



This preview shows how black text looks on a background with the XYZ color 62.7242, 63.2723, 12.0388.



This preview shows how white text looks on a background with the XYZ color 62.7242, 63.2723,

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

62.7242, 63.2723, 12.0388

Protanopia

57.3748, 63.3504, 12.5720

Deuteranopia

64.0989, 63.4504, 20.4240



Tritanopia

70.8691, 63.2711, 64.9772

Trichromacy



Original Color

62.7242, 63.2723, 12.0388

Protanomaly

59.3091, 63.2678, 12.3348

Deuteranomaly

63.3795, 63.1626, 16.6357

Tritanomaly

66.1004, 62.4283, 36.5830

Monochromacy



Original Color

62.7242, 63.2723, 12.0388

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

55.3578, 58.5995, 35.5873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7242, 63.2723, 12.0388 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, 201, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 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(255, 201, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 51) }
```

Border

The CSS property to change the border of an element to XYZ 62.7242, 63.2723, 12.0388 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, 201, 51) }
```


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

```
.border{ border-color:rgb(255, 201, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7242, 63.2723, 12.0388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 51) }
```

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

```
.background{ background-color: rgb(255,  
201, 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](#).

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