

# Converting Colors

XYZ(62.3485, 62.2498, 12.7496)

Have a look what the booklet for  
XYZ(62.3485, 62.2498, 12.7496)  
contains.

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# **Color**

**XYZ(62.4271, 62.4123,  
12.7595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC73A
RGB	255, 199, 58
RGB Percent	100%, 78%, 23%
CMY	0.0000, 0.2196, 0.7725
CMYK	0.00, 0.22, 0.77, 0.00
HSL	43°, 100%, 61%
HSV	43°, 77%, 100%
XYZ	62.4271, 62.4123, 12.7595
YIQ	199.6700, 78.6370, -31.9790

# Conversions

## Conversions Part 2

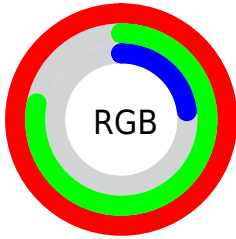
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 255, 58
Decimal	16762682
CIE <sub>Lab</sub>	83.13, 7.33, 73.05
CIE <sub>LCh</sub>	83, 73.413, 84.269
Yxy	62.4123, 0.4537, 0.4536
Android (android.graphics.Color)	4294952762 (0xFFFFC73A)
YUV	199.6700, -69.8433, 48.5244
Hunter-Lab	79.0015, 2.7985, 45.7251

# Details

The XYZ color **62.4271, 62.4123, 12.7595** 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 **25.8121, 20.1537, 97.1366**, and the grayscale version is **55.0804, 57.9489, 63.1063**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **32.5270, 32.0271, 4.4675** is the 20% darker color. If you saturate the color by 10%, you get **60.3040, 58.9604, 9.6049**, and if you desaturate by 10%, it is **64.9533, 66.1576, 17.6325**.

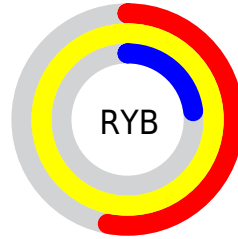
# Distribution



Red (100%)

Green (78%)

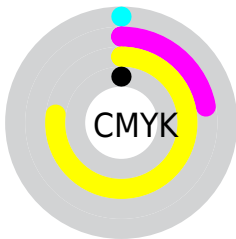
Blue (23%)



Red (53%)

Yellow (100%)

Blue (23%)

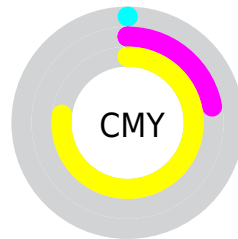


Cyan (0%)

Magenta (22%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4271, 62.4123, 12.7595 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 62.4271, 62.4123, 12.7595 by changing the saturation by 10% instead.





 62.4271, 62.4123,  
12.7595

 62.4271, 62.4123,  
12.7595


423.1801,  
433.4334, 220.5240

 45.6348, 45.3659,  
7.1344


 107.4290,  
108.3212, 31.5559


 32.1611, 31.7458,  
3.4666


 136.3694,  
137.9525, 45.5642


 21.6407, 21.1674,  
1.3375


 170.0898,  
172.5476, 63.2040

 13.7083, 13.2464,  
0.0922

 208.9556,  
212.4909, 84.8938

 7.9984, 7.5984,  
0.0000

 253.3322,  
258.1667, 111.0521

 4.1457, 3.8391,  
0.0000

303.5849,

 1.7849, 1.5840,

309.9594, 142.0976

0.0000

360.0791,  
368.2536, 178.4487

■ 0.5085, 0.3468,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4271, 62.4123,  
12.7595

■ 62.4271, 62.4123,  
12.7595

■ 60.3040, 58.9604,  
9.6049

■ 64.9533, 66.1576,  
17.6325

■ 58.5249, 55.7689,  
7.8810

■ 67.9211, 70.2059,  
24.4407

■ 58.0743, 54.9291,  
7.5415

■ 71.3687, 74.5765,  
33.3725

■ 75.3283, 79.2841,  
44.5930

■ 79.8290, 84.3419,  
58.2510

■ 84.8976, 89.7622,  
74.4823

■ 90.5590, 95.5565,  
93.4130

■ 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.



79.0283, 62.4123, 18.7770



62.4271, 62.4123, 12.7595



47.6204, 62.4123, 15.3062

# Triad

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



62.4271, 62.4123, 12.7595



35.5851, 62.4123, 110.6758



87.7641, 62.4123, 132.9938

# Complementary

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



62.4271, 62.4123, 12.7595



25.8121, 20.1537, 97.1366

# 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.



72.7966, 62.4123, 183.1230



62.4271, 62.4123, 12.7595



43.1968, 62.4123, 166.7059

# Square

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



62.4271, 62.4123, 12.7595



33.8025, 62.4123, 59.5814



56.3197, 62.4123, 197.6276



95.2413, 62.4123, 77.0815



# Rectangle

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



62.4271, 62.4123, 12.7595



40.4356, 62.4123, 22.5608



56.3197, 62.4123, 197.6276



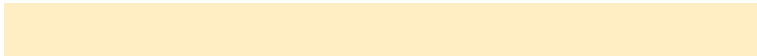
83.3256, 62.4123, 151.9242

# Sweetspot

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



62.4285, 62.4154, 12.7607



81.9143, 86.6027, 64.8323



45.9699, 25.5732, 19.3747



17.1526, 18.1247, 12.6738



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.



62.4285, 62.4154, 12.7607



59.2446, 57.0964, 8.4640



64.7245, 86.3631, 17.2621



19.0993, 20.1668, 19.0303



30.4789, 28.9690, 3.9852



3.0607, 3.0068, 0.4191



# Inverse Universe

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



25.8121, 20.1537, 97.1366



21.5653, 13.8845, 96.1511



24.5361, 12.8102, 95.7864



17.4234, 18.2184, 22.8481



10.7675, 6.4445, 50.1110



1.1366, 0.8038, 4.9085



# Previews

## White Background



This preview shows how the XYZ color 62.4271, 62.4123, 12.7595 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 62.4271, 62.4123, 12.7595 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 62.4271, 62.4123, 12.7595**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.4271, 62.4123, 12.7595.



This preview shows how white text looks on a background with the XYZ color 62.4271, 62.4123,



# 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

62.4271, 62.4123, 12.7595

### Protanopia

56.6502, 62.5938, 13.3710

### Deuteranopia

63.3659, 62.4209, 18.8339



## Tritanopia

70.1961, 62.3040, 63.5845

# Trichromacy



## Original Color

62.4271, 62.4123, 12.7595

## Protanomaly

58.5559, 62.5037, 13.1159

## Deuteranomaly

62.8821, 62.2274, 16.2863

## Tritanomaly

65.7348, 61.5699, 36.8533

# Monochromacy



## Original Color

62.4271, 62.4123, 12.7595

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

55.5148, 58.6623, 36.4140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4271, 62.4123, 12.7595 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, 199, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 58)  
}
```

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, 199, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 58) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4271, 62.4123, 12.7595 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, 199, 58) }
```



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

```
.border{ border-color:rgb(255, 199, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
58) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4271, 62.4123, 12.7595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 58) }
```

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

```
.background{ background-color: rgb(255,  
199, 58) }
```

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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