

# Converting Colors

XYZ(52.6658, 52.0100, 12.9826)

Have a look what the booklet for  
XYZ(52.6658, 52.0100, 12.9826)  
contains.

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# Color

**XYZ(52.6310, 52.1420,  
13.0848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECB746
RGB	236, 183, 70
RGB Percent	93%, 72%, 27%
CMY	0.0745, 0.2823, 0.7255
CMYK	0.00, 0.22, 0.70, 0.07
HSL	41°, 81%, 60%
HSV	41°, 70%, 93%
XYZ	52.6310, 52.1420, 13.0848
YIQ	185.9650, 67.8610, -23.9070

# Conversions

## Conversions Part 2

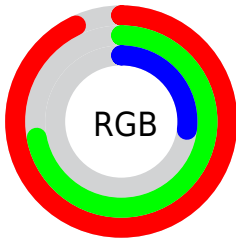
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 236, 70
Decimal	15513414
CIELab	77.37, 8.15, 62.28
CIELCh	77, 62.810, 82.546
Yxy	52.1420, 0.4466, 0.4424
Android (android.graphics.Color)	4293703494 (0xFFECB746)
YUV	185.9650, -57.1707, 43.8807
Hunter-Lab	72.2094, 3.7361, 39.8029

# Details

The XYZ color **52.6310, 52.1420, 13.0848** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.7487, 21.5233, 82.2063**, and the grayscale version is **46.9373, 49.3817, 53.7767**.

A 20% lighter version of the original color is **75.7446, 84.4482, 31.3768**, and **25.9036, 25.2019, 3.5853** is the 20% darker color. If you saturate the color by 10%, you get **50.5150, 48.8773, 9.3985**, and if you desaturate by 10%, it is **55.1252, 55.6952, 18.3415**.

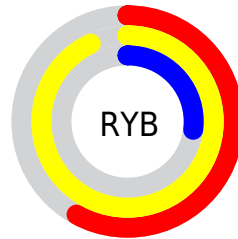
# Distribution



Red (93%)

Green (72%)

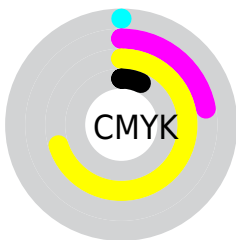
Blue (27%)



Red (58%)

Yellow (93%)

Blue (27%)

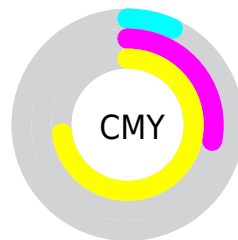


Cyan (0%)

Magenta (22%)

Yellow (70%)

Black (7%)



Cyan (7%)

Magenta (28%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6310, 52.1420, 13.0848 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 52.6310, 52.1420, 13.0848 by changing the saturation by 10% instead.





 52.6310, 52.1420,  
13.0848

 52.6310, 52.1420,  
13.0848


387.1519,  
394.9846, 222.6873

 37.7346, 37.1183,  
7.3556


 93.2299, 93.3406,  
32.1495

 25.9530, 25.2991,  
3.6036


 119.6631,  
120.2843, 46.3220


 16.9210, 16.3000,  
1.4105


 150.6726,  
151.9701, 64.1460

 10.2731, 9.7367,  
0.1499

 186.6237,  
188.7824, 86.0400

 5.6441, 5.2247,  
0.0000

 227.8818,  
231.1056, 112.4226

 2.6685, 2.3797,  
0.0000

274.8123,

 0.9810, 0.8154,

279.3241, 143.7123

0.0000

327.7806,  
333.8223, 180.3277

■ 0.0000, 0.0000,  
0.0000

■ 52.6310, 52.1420,  
13.0848

■ 52.6310, 52.1420,  
13.0848

■ 50.5150, 48.8773,  
9.3985

■ 55.1252, 55.6952,  
18.3415

■ 48.7357, 45.8762,  
7.0867


■ 58.0258, 59.5441,  
25.3272


■ 47.2770, 43.2032,  
5.8473


■ 61.3621, 63.7044,  
34.1846


■ 65.1593, 68.1880,  
45.0405

■ 69.4404, 73.0061,  
58.0104

 74.2269, 78.1691,  
73.2011

 79.5386, 83.6868,  
90.7121

 84.7760, 89.3211,  
107.3803

 87.0806, 93.9304,  
108.1485

# Harmonies

## Analogous

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



65.0524, 52.1420, 18.6713



52.6310, 52.1420, 13.0848



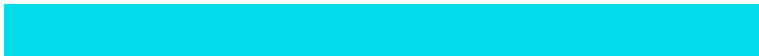
41.1838, 52.1420, 14.8576

# Triad

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



52.6310, 52.1420, 13.0848



31.0689, 52.1420, 86.2577



70.3570, 52.1420, 107.5353

# Complementary

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



52.6310, 52.1420, 13.0848



24.7487, 21.5233, 82.2063

# 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.



58.9999, 52.1420, 142.9264



52.6310, 52.1420, 13.0848



36.7451, 52.1420, 127.5586

# Square

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



52.6310, 52.1420, 13.0848



29.9277, 52.1420, 48.5817



46.6097, 52.1420, 151.4509



76.3125, 52.1420, 65.8386



# Rectangle

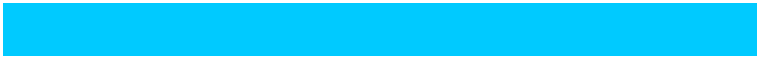
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.6310, 52.1420, 13.0848



35.4663, 52.1420, 20.5387



46.6097, 52.1420, 151.4509



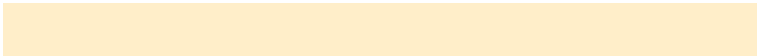
66.9644, 52.1420, 121.1575

# Sweetspot

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



52.6322, 52.1446, 13.0858



82.3824, 86.5918, 67.9082



40.5053, 23.7027, 21.9548



17.3203, 18.1864, 13.5735



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.



52.6322, 52.1446, 13.0858



59.3262, 56.7976, 9.9158



57.2070, 73.8909, 17.0422



15.9230, 16.7689, 15.9162



26.1819, 24.0581, 3.2637



2.1420, 2.0613, 0.2850



# Inverse Universe

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



24.7487, 21.5233, 82.2063



24.4445, 18.6634, 96.9218



22.3320, 13.0152, 80.6914



14.6237, 15.3339, 19.1112



9.8486, 6.3441, 44.4484



0.8573, 0.6660, 3.5182



# Previews

## White Background



This preview shows how the XYZ color 52.6310, 52.1420, 13.0848 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 52.6310, 52.1420, 13.0848 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 52.6310, 52.1420, 13.0848

## Background



This preview shows how black text looks on a background with the XYZ color 52.6310, 52.1420, 13.0848.



This preview shows how white text looks on a background with the XYZ color 52.6310, 52.1420,



# 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

52.6310, 52.1420, 13.0848

### Protanopia

47.7509, 52.4633, 13.7406

### Deuteranopia

53.4300, 52.2488, 13.0633



## Tritanopia

60.6281, 51.8617, 52.7138

# Trichromacy



## Original Color

52.6310, 52.1420, 13.0848

## Protanomaly

49.4591, 52.3797, 13.4648

## Deuteranomaly

53.0933, 52.0752, 13.0476

## Tritanomaly

56.5635, 51.3439, 32.9157

# Monochromacy



## Original Color

52.6310, 52.1420, 13.0848

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

47.2848, 49.5489, 33.4573

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6310, 52.1420, 13.0848 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(236, 183, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 183, 70)  
}
```

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(236, 183, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 183, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6310, 52.1420, 13.0848 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(236, 183, 70) }
```



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

```
.border{ border-color:rgb(236, 183, 70) }
```

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

Here you see how a box with a 4 pixel rgb(236, 183, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 183, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 183, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 183,  
70) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6310, 52.1420, 13.0848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 183, 70) }
```

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

```
.background{ background-color: rgb(236,  
183, 70) }
```

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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