

# Converting Colors

XYZ(54.7460, 52.0810, 10.4160)

Have a look what the booklet for  
XYZ(54.7460, 52.0810, 10.4160)  
contains.

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# Color

**XYZ(54.7460, 52.0810,  
10.4160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6B334
RGB	246, 179, 52
RGB Percent	96%, 70%, 20%
CMY	0.0353, 0.2980, 0.7961
CMYK	0.00, 0.27, 0.79, 0.04
HSL	39°, 92%, 58%
HSV	39°, 79%, 96%
XYZ	54.7460, 52.0810, 10.4160
YIQ	184.5550, 80.6990, -25.2930

# Conversions

## Conversions Part 2

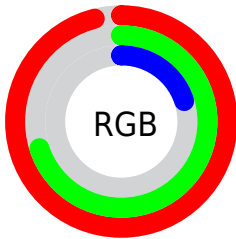
Format	Color
<a href="#">RYB</a>	<a href="#">154, 246, 52</a>
Decimal	<a href="#">16167732</a>
CIELab	<a href="#">77.33, 13.73, 69.44</a>
CIELCh	<a href="#">77, 70.788, 78.814</a>
Yxy	<a href="#">52.0810, 0.4669, 0.4442</a>
Android (android.graphics.Color)	<a href="#">4294357812</a> (0xFFFF6B334)
YUV	<a href="#">184.5550, -65.3496, 53.8873</a>
Hunter-Lab	<a href="#">72.1672, 9.1175, 41.9596</a>

# Details

The XYZ color **54.7460, 52.0810, 10.4160** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **24.6473, 20.5769, 89.8609**, and the grayscale version is **46.1882, 48.5936, 52.9184**.

A 20% lighter version of the original color is **73.6551, 81.7594, 26.0865**, and **27.5970, 25.4930, 3.4661** is the 20% darker color. If you saturate the color by 10%, you get **52.6792, 48.6154, 7.6688**, and if you desaturate by 10%, it is **57.2084, 55.8769, 14.7183**.

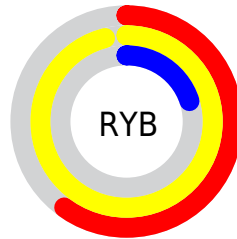
# Distribution



Red (96%)

Green (70%)

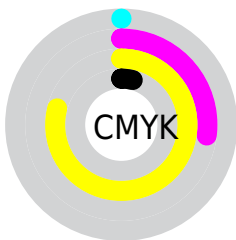
Blue (20%)



Red (60%)

Yellow (96%)

Blue (20%)

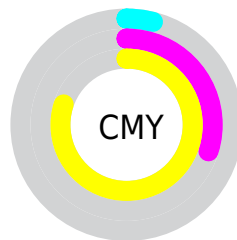


Cyan (0%)

Magenta (27%)

Yellow (79%)

Black (4%)



Cyan (4%)

Magenta (30%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7460, 52.0810, 10.4160 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 54.7460, 52.0810, 10.4160 by changing the saturation by 10% instead.



54.7460, 52.0810,  
10.4160

54.7460, 52.0810,  
10.4160

395.1005,  
394.7492, 204.2074

39.4314, 37.0696,  
5.5664

96.3192, 93.2507,  
27.1950

27.2778, 25.2614,  
2.5188

123.3085,  
120.1778, 39.9616

17.9196, 16.2719,  
0.8501

154.9202,  
151.8456, 56.2042

10.9916, 9.7168,  
0.0000

191.5195,  
188.6386, 76.3414

6.1285, 5.2116,  
0.0000

233.4718,  
230.9410, 100.7918

2.9647, 2.3719,  
0.0000

281.1425,

1.1351, 0.8114,

279.1373, 129.9739

0.0000

334.8970,  
333.6119, 164.3063

■ 0.0542, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.7460, 52.0810,  
10.4160

■ 54.7460, 52.0810,  
10.4160

■ 52.6792, 48.6154,  
7.6688

■ 57.2084, 55.8769,  
14.7183


■ 50.9444, 45.4453,  
6.1673


■ 60.1040, 60.0148,  
20.7807


■ 50.7590, 45.0992,  
6.0297


■ 63.4691, 64.5141,  
28.7798


■ 67.3345, 69.3899,  
38.8698

 71.7281, 74.6560,  
51.1891

 76.6754, 80.3255,  
65.8644

 82.2003, 86.4103,  
83.0126

 88.3250, 92.9218,  
102.7427

 91.8158, 98.3327,  
108.7486

# Harmonies

## Analogous

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



68.7804, 52.0810, 16.9741



54.7460, 52.0810, 10.4160



41.5434, 52.0810, 11.2710

# Triad

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



54.7460, 52.0810, 10.4160



28.6572, 52.0810, 84.4283



71.8867, 52.0810, 121.6447

# Complementary

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



54.7460, 52.0810, 10.4160



24.6473, 20.5769, 89.8609

# 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.



58.4159, 52.0810, 161.1413



54.7460, 52.0810, 10.4160



34.2104, 52.0810, 133.7333

# Square

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



54.7460, 52.0810, 10.4160



28.0368, 52.0810, 43.3924



44.6030, 52.0810, 166.3662



79.8165, 52.0810, 72.5005



# Rectangle

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



54.7460, 52.0810, 10.4160



34.8625, 52.0810, 16.0983



44.6030, 52.0810, 166.3662



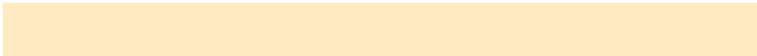
67.7534, 52.0810, 137.2936

# Sweetspot

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



54.7472, 52.0836, 10.4170



80.3398, 83.9153, 62.8842



42.6182, 23.4028, 20.0093



16.7951, 17.4980, 12.2827



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.



54.7472, 52.0836, 10.4170



55.9389, 50.5442, 7.1801



62.1610, 80.8955, 15.5875



17.4048, 18.2938, 17.4113



27.2293, 24.3442, 3.2638



2.4888, 2.3309, 0.3187



# Inverse Universe

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



24.6473, 20.5769, 89.8609



22.4324, 15.7438, 96.4643



21.2649, 10.8641, 88.1644



16.0491, 16.8624, 20.9515



10.7283, 7.2504, 47.3720



1.0350, 0.8215, 4.1942



# Previews

## White Background



This preview shows how the XYZ color 54.7460, 52.0810, 10.4160 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 54.7460, 52.0810, 10.4160 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 54.7460, 52.0810, 10.4160

## Background



This preview shows how black text looks on a background with the XYZ color 54.7460, 52.0810, 10.4160.



This preview shows how white text looks on a background with the XYZ color 54.7460, 52.0810,



# 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

54.7460, 52.0810, 10.4160

### Protanopia

47.5636, 52.4222, 11.2261

### Deuteranopia

53.2607, 52.2202, 10.4043



## Tritanopia

62.9300, 52.0036, 49.9009

# Trichromacy



## Original Color

54.7460, 52.0810, 10.4160

## Protanomaly

49.8002, 51.9757, 10.8976

## Deuteranomaly

53.7394, 52.1640, 10.3683

## Tritanomaly

58.5802, 51.3285, 29.0102

# Monochromacy



## Original Color

54.7460, 52.0810, 10.4160

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

47.1810, 48.9385, 30.6263

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7460, 52.0810, 10.4160 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(246, 179, 52)` looks like.

```
.text, #text, p{  
    color:rgb(246, 179, 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(246, 179, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 179, 52) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7460, 52.0810, 10.4160 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(246, 179, 52) }
```



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

```
.border{ border-color:rgb(246, 179, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 179, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 179, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 179, 52);  
box-shadow:4px 4px 4px 4px rgb(246, 179,  
52) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7460, 52.0810, 10.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 179, 52) }
```

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

```
.background{ background-color: rgb(246,  
179, 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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