

Converting Colors

XYZ(54.9971, 52.2103, 11.6509)

Have a look what the booklet for
XYZ(54.9971, 52.2103, 11.6509)
contains.

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Color

**XYZ(54.9684, 52.1700,
11.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	F6B33D
RGB	246, 179, 61
RGB Percent	96%, 70%, 24%
CMY	0.0353, 0.2980, 0.7608
CMYK	0.00, 0.27, 0.75, 0.04
HSL	38°, 91%, 60%
HSV	38°, 75%, 96%
XYZ	54.9684, 52.1700, 11.5875
YIQ	185.5810, 77.8100, -22.4940

Conversions

Conversions Part 2

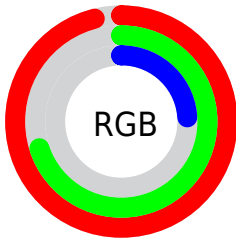
Format	Color
RYB	166, 246, 61
Decimal	16167741
CIELab	77.38, 14.07, 66.23
CIElCh	77, 67.704, 78.009
Yxy	52.1700, 0.4630, 0.4394
Android (android.graphics.Color)	4294357821 (0xFFFF6B33D)
YUV	185.5810, -61.4184, 52.9875
Hunter-Lab	72.2288, 9.4437, 41.0484

Details

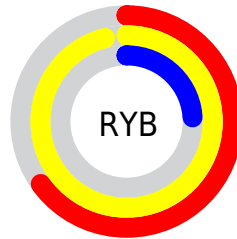
The XYZ color **54.9684, 52.1700, 11.5875** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **26.2777, 23.0832, 90.2585**, and the grayscale version is **46.7411, 49.1753, 53.5519**.

A 20% lighter version of the original color is **74.1007, 81.9376, 28.4330**, and **27.5970, 25.4930, 3.4661** is the 20% darker color. If you saturate the color by 10%, you get **52.7236, 48.5090, 8.2859**, and if you desaturate by 10%, it is **57.6346, 56.1884, 16.5284**.

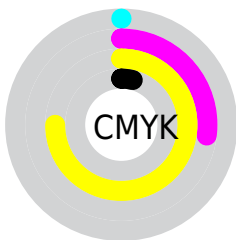
Distribution



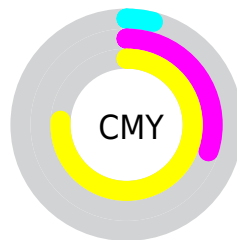
- Red (96%)
- Green (70%)
- Blue (24%)



- Red (65%)
- Yellow (96%)
- Blue (24%)



- Cyan (0%)
- Magenta (27%)
- Yellow (75%)
- Black (4%)





- Cyan (4%)
- Magenta (30%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9684, 52.1700, 11.5875 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 54.9684, 52.1700, 11.5875 by changing the saturation by 10% instead.


 54.9684, 52.1700,
11.5875

 54.9684, 52.1700,
11.5875


395.9305,
395.0926, 212.5350


 39.6102, 37.1406,
6.3443

 96.6432, 93.3819,
29.3946


 27.4176, 25.3164,
2.9834


 123.6906,
120.3332, 42.7957


 18.0253, 16.3129,
1.0862


 155.3650,
152.0272, 59.7531

 11.0679, 9.7459,
0.0000

 192.0318,
188.8484, 80.6855

 6.1802, 5.2308,
0.0000

 234.0564,
231.1812, 106.0113

 2.9967, 2.3833,
0.0000

281.8042,

 1.1520, 0.8173,

279.4098, 136.1492

0.0000

335.6404,
333.9188, 171.5176

■ 0.0680, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9684, 52.1700,
11.5875

■ 54.9684, 52.1700,
11.5875

■ 52.7236, 48.5090,
8.2859

■ 57.6346, 56.1884,
16.5284


■ 50.8490, 45.1750,
6.3812


■ 60.7575, 60.5753,
23.2999


■ 50.0484, 43.6781,
5.7929

■ 64.3718, 65.3500,
32.0702

■ 68.5077, 70.5277,
42.9871

 73.1922, 76.1224,
56.1846

 78.4506, 82.1472,
71.7854

 84.3062, 88.6145,
89.9038

 90.3263, 95.3540,
108.2522

 91.8157, 98.3327,
108.7486

Harmonies

Analogous

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



68.2804, 52.1700, 18.4553



54.9684, 52.1700, 11.5875



42.2456, 52.1700, 12.2754

Triad

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



54.9684, 52.1700, 11.5875



29.3937, 52.1700, 81.9638



70.6051, 52.1700, 119.4984

Complementary

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



54.9684, 52.1700, 11.5875



26.2777, 23.0832, 90.2585

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.



57.7310, 52.1700, 155.8402



54.9684, 52.1700, 11.5875



34.6592, 52.1700, 128.4459

Square

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



54.9684, 52.1700, 11.5875



28.9166, 52.1700, 43.1788



44.5670, 52.1700, 159.6870



78.3096, 52.1700, 73.0313

Rectangle

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



54.9684, 52.1700, 11.5875



35.7190, 52.1700, 16.9833



44.5670, 52.1700, 159.6870



66.6449, 52.1700, 134.0401

Sweetspot

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



54.9696, 52.1726, 11.5885



80.5986, 83.9712, 64.3937



43.6261, 24.5111, 23.1433



16.8321, 17.4838, 12.5670



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.



54.9696, 52.1726, 11.5885



56.1528, 50.7962, 7.7933



63.7181, 81.6724, 16.8214



17.3806, 18.2453, 17.4032



26.8521, 23.5897, 3.1380



2.4574, 2.2680, 0.3083

Inverse Universe

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



26.2777, 23.0832, 90.2585



23.8903, 18.2870, 96.8783



22.1107, 11.9544, 88.3301



16.0724, 16.9091, 20.9592



10.9105, 7.6148, 47.4328



1.0529, 0.8573, 4.2002

Previews

White Background



This preview shows how the XYZ color 54.9684, 52.1700, 11.5875 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 54.9684, 52.1700, 11.5875 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 54.9684, 52.1700, 11.5875

Background



This preview shows how black text looks on a background with the XYZ color 54.9684, 52.1700, 11.5875.



This preview shows how white text looks on a background with the XYZ color 54.9684, 52.1700,

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

54.9684, 52.1700, 11.5875

Protanopia

47.5066, 52.3656, 12.4542

Deuteranopia

53.4787, 52.3074, 11.5527



Tritanopia

62.9300, 52.0036, 49.9009

Trichromacy



Original Color

54.9684, 52.1700, 11.5875

Protanomaly

50.0316, 52.0683, 12.1159

Deuteranomaly

53.9574, 52.2512, 11.5166

Tritanomaly

58.8619, 51.4412, 30.4937

Monochromacy



Original Color

54.9684, 52.1700, 11.5875

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.7536, 49.2000, 32.1790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9684, 52.1700, 11.5875 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(246, 179, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 179, 61) }
```

Border

The CSS property to change the border of an element to XYZ 54.9684, 52.1700, 11.5875 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, 61) }
```


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

```
.border{ border-color:rgb(246, 179, 61) }
```

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, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 179, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 179, 61);  
box-shadow:4px 4px 4px 4px rgb(246, 179,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9684, 52.1700, 11.5875 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, 61) }
```

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

```
.background{ background-color: rgb(246,  
179, 61) }
```

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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