

Converting Colors

XYZ(52.3117, 50.6741, 16.9065)

Have a look what the booklet for
XYZ(52.3117, 50.6741, 16.9065)
contains.

XYZ(52.2694, 50.6577, 16.9205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.2694, 50.6577,
16.9205)**

Conversions

Conversions Part 1

Format	Color
Hex	EBB35B
RGB	235, 179, 91
RGB Percent	92%, 70%, 36%
CMY	0.0784, 0.2980, 0.6431
CMYK	0.00, 0.24, 0.61, 0.08
HSL	37°, 78%, 64%
HSV	37°, 61%, 92%
XYZ	52.2694, 50.6577, 16.9205
YIQ	185.7120, 61.6240, -15.4960

Conversions

Conversions Part 2

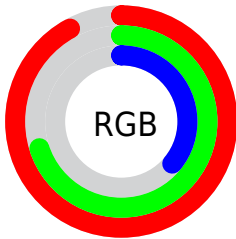
Format	Color
RYB	183, 235, 91
Decimal	15446875
CIELab	76.47, 11.06, 51.91
CIElCh	76, 53.072, 77.971
Yxy	50.6577, 0.4361, 0.4227
Android (android.graphics.Color)	4293636955 (0xFFEBB35B)
YUV	185.7120, -46.6930, 43.2256
Hunter-Lab	71.1742, 6.5331, 35.7267

Details

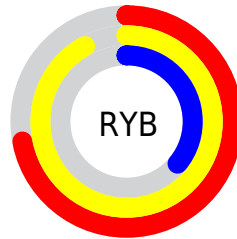
The XYZ color **52.2694, 50.6577, 16.9205** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **29.7430, 29.0885, 82.6439**, and the grayscale version is **46.7409, 49.1751, 53.5516**.

A 20% lighter version of the original color is **75.9824, 82.6903, 38.3417**, and **25.7316, 24.2983, 5.2533** is the 20% darker color. If you saturate the color by 10%, you get **49.6391, 46.7735, 11.8015**, and if you desaturate by 10%, it is **55.3408, 54.9166, 23.7531**.

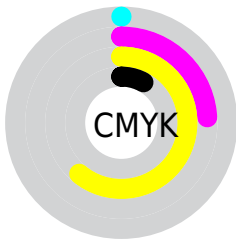
Distribution



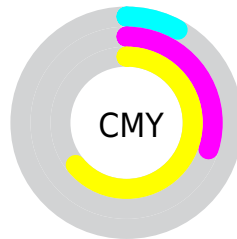
- Red (92%)
- Green (70%)
- Blue (36%)



- Red (72%)
- Yellow (92%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (61%)
- Black (8%)



- Cyan (8%)
- Magenta (30%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2694, 50.6577, 16.9205 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 52.2694, 50.6577, 16.9205 by changing the saturation by 10% instead.

52.2694, 50.6577,
16.9205

52.2694, 50.6577,
16.9205

385.7827,
389.2324, 246.7422

37.4450, 35.9363,
10.0165

92.7003, 91.1486,
38.9778

25.7275, 24.3850,
5.3041

119.0375,
117.6868, 54.9682

16.7515, 15.6194,
2.3649

149.9430,
148.9328, 74.8244

10.1517, 9.2553,
0.7673

185.7822,
185.2709, 98.9650

5.5627, 4.9081,
0.0000

226.9204,
227.0855, 127.8086

2.6191, 2.1934,
0.0000

273.7230,

0.9557, 0.7164,

274.7611, 161.7736

0.0000

326.5553,
328.6819, 201.2786

■ 0.0000, 0.0000,
0.0000

■ 52.2694, 50.6577,
16.9205

■ 52.2694, 50.6577,
16.9205

■ 49.6391, 46.7735,
11.8015

■ 55.3408, 54.9166,
23.7531

■ 47.4133, 43.2396,
8.2302

■ 58.8788, 59.5579,
32.4382

■ 45.5538, 40.0388,
6.0128

■ 62.9108, 64.5982,
43.1038

■ 44.1766, 37.4937,
4.9086

■ 67.4608, 70.0506,
55.8657

■ 72.5510, 75.9271,
70.8305

■ 78.2022, 82.2396,
88.0976

■ 84.3530, 88.9665,
107.3341

■ 87.1557, 94.5719,
108.2684

■ 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



62.2076, 50.6577, 23.5252



52.2694, 50.6577, 16.9205



42.4550, 50.6577, 17.6015

Triad

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



52.2694, 50.6577, 16.9205



32.0729, 50.6577, 73.9574



63.8948, 50.6577, 100.8660

Complementary

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



52.2694, 50.6577, 16.9205



29.7430, 29.0885, 82.6439

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.



54.3298, 50.6577, 125.8950



52.2694, 50.6577, 16.9205



36.3855, 50.6577, 107.0240

Square

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



52.2694, 50.6577, 16.9205



31.6810, 50.6577, 44.4556



44.2503, 50.6577, 128.4739



69.5157, 50.6577, 67.4526

Rectangle

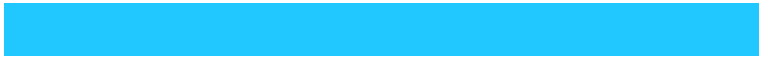
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2694, 50.6577, 16.9205



37.2581, 50.6577, 22.1327



44.2503, 50.6577, 128.4739



60.9780, 50.6577, 110.9728

Sweetspot

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



52.2706, 50.6602, 16.9215



83.0892, 86.5247, 72.7082



43.3951, 27.3019, 31.2497



17.4147, 18.0879, 14.4909



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.



52.2706, 50.6602, 16.9215



58.8833, 54.9590, 12.7054



61.2937, 75.4812, 21.2369



15.8317, 16.5865, 15.8858



24.7140, 21.1222, 2.7744



2.0336, 1.8445, 0.2488

Inverse Universe

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



29.7430, 29.0885, 82.6439



29.6478, 27.0503, 98.2664



24.6097, 16.5084, 80.4863



14.7115, 15.5095, 19.1405



10.5610, 7.7689, 44.6859



0.9203, 0.7920, 3.5392

Previews

White Background



This preview shows how the XYZ color 52.2694, 50.6577, 16.9205 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 52.2694, 50.6577, 16.9205 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 52.2694, 50.6577, 16.9205

Background



This preview shows how black text looks on a background with the XYZ color 52.2694, 50.6577, 16.9205.



This preview shows how white text looks on a background with the XYZ color 52.2694, 50.6577,

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

52.2694, 50.6577, 16.9205

Protanopia

46.5125, 50.7587, 17.9356

Deuteranopia

51.8139, 50.7215, 16.9569



Tritanopia

59.2494, 50.6306, 50.9059

Trichromacy



Original Color

52.2694, 50.6577, 16.9205

Protanomaly

48.2382, 50.3937, 17.5404

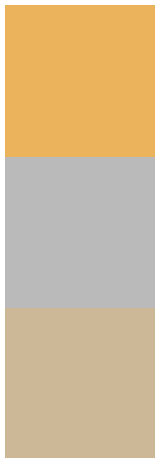
Deuteranomaly

52.1413, 50.8903, 16.9722

Tritanomaly

55.9650, 50.4078, 35.2138

Monochromacy



Original Color

52.2694, 50.6577, 16.9205

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4212, 48.9387, 36.2249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2694, 50.6577, 16.9205 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(235, 179, 91)` looks like.

```
.text, #text, p{  
    color:rgb(235, 179, 91)  
}
```

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(235, 179, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 179, 91) }
```

Border

The CSS property to change the border of an element to XYZ 52.2694, 50.6577, 16.9205 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(235, 179, 91) }
```


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

```
.border{ border-color:rgb(235, 179, 91) }
```

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

Here you see how a box with a 4 pixel rgb(235, 179, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 179, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 179, 91);  
box-shadow:4px 4px 4px 4px rgb(235, 179,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2694, 50.6577, 16.9205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 179, 91) }
```

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

```
.background{ background-color: rgb(235,  
179, 91) }
```

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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