

Converting Colors

XYZ(50.5989, 48.4399, 16.8077)

Have a look what the booklet for
XYZ(50.5989, 48.4399, 16.8077)
contains.

XYZ(50.6721, 48.3684, 16.7906)	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(50.6721, 48.3684,
16.7906)**

Conversions

Conversions Part 1

Format	Color
Hex	E9AE5C
RGB	233, 174, 92
RGB Percent	91%, 68%, 36%
CMY	0.0863, 0.3176, 0.6392
CMYK	0.00, 0.25, 0.61, 0.09
HSL	35°, 76%, 64%
HSV	35°, 61%, 91%
XYZ	50.6721, 48.3684, 16.7906
YIQ	182.2930, 61.4860, -12.9940

Conversions

Conversions Part 2

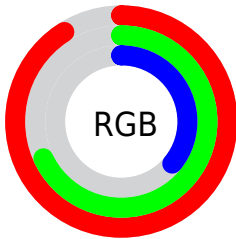
Format	Color
RYB	193, 233, 92
Decimal	15314524
CIELab	75.06, 12.94, 49.74
CIELCh	75, 51.400, 75.417
Yxy	48.3684, 0.4375, 0.4176
Android (android.graphics.Color)	4293504604 (0xFFE9AE5C)
YUV	182.2930, -44.5144, 44.4700
Hunter-Lab	69.5474, 8.3468, 34.3690

Details

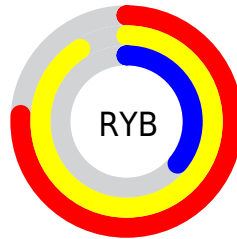
The XYZ color **50.6721, 48.3684, 16.7906** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **30.1878, 30.2906, 81.3461**, and the grayscale version is **44.8360, 47.1709, 51.3691**.

A 20% lighter version of the original color is **74.2934, 79.3122, 37.7787**, and **24.8153, 23.0778, 5.2444** is the 20% darker color. If you saturate the color by 10%, you get **47.9907, 44.3927, 11.6212**, and if you desaturate by 10%, it is **53.8057, 52.7476, 23.6565**.

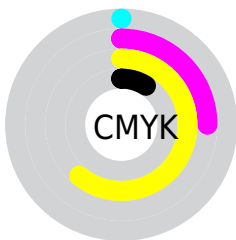
Distribution



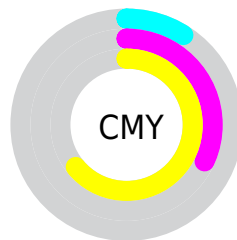
- Red (91%)
- Green (68%)
- Blue (36%)



- Red (76%)
- Yellow (91%)
- Blue (36%)



- Cyan (0%)
- Magenta (25%)
- Yellow (61%)
- Black (9%)



- Cyan (9%)
- Magenta (32%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6721, 48.3684, 16.7906 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 50.6721, 48.3684, 16.7906 by changing the saturation by 10% instead.

50.6721, 48.3684,
16.7906

50.6721, 48.3684,
16.7906

379.6972,
380.2505, 245.9657

36.1677, 34.1187,
9.9249

90.3558, 87.7527,
38.7511

24.7345, 22.9848,
5.2443

116.2658,
113.6560, 54.6830

16.0070, 14.5823,
2.3300

146.7083,
144.2128, 74.4741

9.6200, 8.5268,
0.7480

182.0488,
179.8072, 98.5428

5.2081, 4.4338,
0.0000

222.6526,
220.8239, 127.3079

2.4059, 1.9191,
0.0000

268.8850,

0.8480, 0.5598,

267.6470, 161.1876

0.0000

321.1114,
320.6611, 200.6008

■ 0.0000, 0.0000,
0.0000

■ 50.6721, 48.3684,
16.7906

■ 50.6721, 48.3684,
16.7906

■ 47.9907, 44.3927,
11.6212

■ 53.8057, 52.7476,
23.6565

■ 45.7253, 40.7956,
7.9878

■ 57.4168, 57.5390,
32.3541

■ 43.8387, 37.5594,
5.7034

■ 61.5326, 62.7599,
43.0077

■ 42.3397, 34.7947,
4.4845

■ 66.1770, 68.4240,
55.7303

■ 71.3721, 74.5442,
70.6259

■ 77.1387, 81.1329,
87.7914

■ 83.4800, 88.1952,
107.2313

■ 86.4633, 94.1620,
108.2257

■ 87.4141, 96.0636,
108.5426

Harmonies

Analogous

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



59.8523, 48.3684, 23.7463



50.6721, 48.3684, 16.7906



41.3365, 48.3684, 16.8816

Triad

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



50.6721, 48.3684, 16.7906



30.6665, 48.3684, 67.6474



60.0740, 48.3684, 97.9590

Complementary

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



50.6721, 48.3684, 16.7906



30.1878, 30.2906, 81.3461

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.



50.9432, 48.3684, 119.9260



50.6721, 48.3684, 16.7906



34.4241, 48.3684, 98.7655

Square

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



50.6721, 48.3684, 16.7906



30.6147, 48.3684, 40.6847



41.5732, 48.3684, 120.2632



65.7616, 48.3684, 66.7927

Rectangle

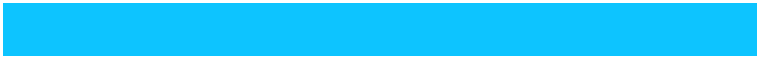
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.6721, 48.3684, 16.7906



36.2799, 48.3684, 20.7566



41.5732, 48.3684, 120.2632



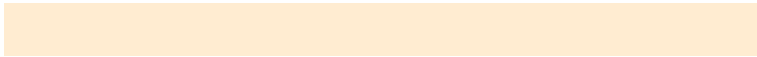
57.2543, 48.3684, 107.0693

Sweetspot

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



50.6732, 48.3708, 16.7915



82.6976, 85.7415, 72.5777



43.1896, 27.2816, 33.1704



17.3190, 17.8964, 14.4590



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.



50.6732, 48.3708, 16.7915



58.0543, 53.1773, 12.8103



61.6872, 74.8337, 21.3189



15.7932, 16.5095, 15.8730



24.1498, 19.9938, 2.5864



1.9910, 1.7594, 0.2347

Inverse Universe

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



30.1878, 30.2906, 81.3461



30.8863, 29.2650, 98.6286



23.9473, 16.3279, 78.9799



14.7491, 15.5846, 19.1530



10.9130, 8.4730, 44.8032



0.9501, 0.8516, 3.5492

Previews

White Background



This preview shows how the XYZ color 50.6721, 48.3684, 16.7906 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 50.6721, 48.3684, 16.7906 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 50.6721, 48.3684, 16.7906

Background



This preview shows how black text looks on a background with the XYZ color 50.6721, 48.3684, 16.7906.



This preview shows how white text looks on a background with the XYZ color 50.6721, 48.3684,

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

50.6721, 48.3684, 16.7906

Protanopia

44.3621, 48.3798, 18.0664

Deuteranopia

49.4086, 48.3000, 16.6162



Tritanopia

57.1465, 48.2505, 47.8963

Trichromacy



Original Color

50.6721, 48.3684, 16.7906

Protanomaly

46.6138, 48.3210, 17.6966

Deuteranomaly

49.8514, 48.2383, 16.5810

Tritanomaly

54.1160, 48.0851, 33.6233

Monochromacy



Original Color

50.6721, 48.3684, 16.7906

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.6323, 46.8276, 35.0673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6721, 48.3684, 16.7906 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(233, 174, 92)` looks like.

```
.text, #text, p{  
    color:rgb(233, 174, 92)  
}
```

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(233, 174, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 174, 92) }
```

Border

The CSS property to change the border of an element to XYZ 50.6721, 48.3684, 16.7906 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(233, 174, 92) }
```


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

```
.border{ border-color:rgb(233, 174, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 174, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 174, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 174, 92);  
box-shadow:4px 4px 4px 4px rgb(233, 174,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6721, 48.3684, 16.7906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 174, 92) }
```

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

```
.background{ background-color: rgb(233,  
174, 92) }
```

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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