

Converting Colors

XYZ(48.6184, 49.0314, 6.9015)

Have a look what the booklet for
XYZ(48.6184, 49.0314, 6.9015)
contains.

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Color

**XYZ(48.4332, 48.8982,
6.8856)**

Conversions

Conversions Part 1

Format	Color
Hex	E5B300
RGB	229, 179, 0
RGB Percent	90%, 70%, 0%
CMY	0.1020, 0.2980, 0.9999
CMYK	0.00, 0.22, 1.00, 0.10
HSL	47°, 100%, 45%
HSV	47°, 100%, 90%
XYZ	48.4332, 48.8982, 6.8856
YIQ	173.5440, 87.2590, -45.0690

Conversions

Conversions Part 2

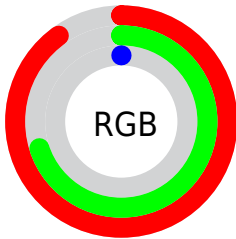
Format	Color
RYB	64, 229, 0
Decimal	15053568
CIELab	75.39, 5.45, 77.88
CIELCh	75, 78.075, 85.995
Yxy	48.8982, 0.4647, 0.4692
Android (android.graphics.Color)	4293243648 (0xFFE5B300)
YUV	173.5440, -85.5572, 48.6349
Hunter-Lab	69.9272, 1.2605, 43.1109

Details

The XYZ color **48.4332, 48.8982, 6.8856** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **15.2841, 7.9394, 74.8551**, and the grayscale version is **40.3938, 42.4974, 46.2797**.

A 20% lighter version of the original color is **72.1480, 80.6997, 19.5586**, and **23.7378, 23.5036, 3.2855** is the 20% darker color. If you saturate the color by 10%, you get **48.4334, 48.8989, 6.8857**, and if you desaturate by 10%, it is **49.6084, 51.0029, 8.0362**.

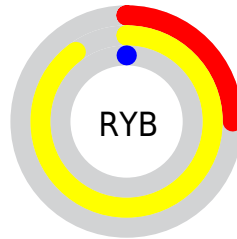
Distribution



Red (90%)

Green (70%)

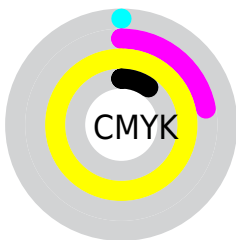
Blue (0%)



Red (25%)

Yellow (90%)

Blue (0%)

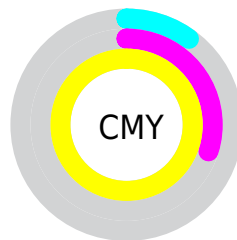


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4332, 48.8982, 6.8856 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 48.4332, 48.8982, 6.8856 by changing the saturation by 10% instead.


 48.4332, 48.8982,
6.8856


 48.4332, 48.8982,
6.8856


371.0607,
382.3414, 176.3044


 34.3827, 34.5387,
3.3133


 87.0548, 88.5402,
20.2516


 23.3521, 23.3078,
1.2567


 112.3567,
114.5916, 30.8824


 14.9758, 14.8209,
0.0259


 142.1399,
145.3091, 44.7032

 8.8886, 8.6938,
0.0000

 176.7695,
181.0770, 62.1323

 4.7251, 4.5420,
0.0000

 216.6111,
222.2798, 83.5885

 2.1200, 1.9811,
0.0000

 262.0299,

 0.7000, 0.5965,

269.3019, 109.4902

0.0000

313.3913,
322.5276, 140.2560

■ 0.0000, 0.0000,
0.0000

■ 48.4332, 48.8982,
6.8856

■ 48.4332, 48.8982,
6.8856

■ 48.4334, 48.8989,
6.8857

■ 49.6084, 51.0029,
8.0362

■ 51.0012, 53.2513,
10.1566

■ 52.6713, 55.6700,
13.5539

■ 54.6526, 58.2731,
18.4054

■ 56.9737, 61.0726,
24.8601

■ 59.6599, 64.0792,
33.0487

■ 62.7335, 67.3024,
43.0882

■ 66.2154, 70.7510,
55.0854

■ 70.1244, 74.4331,
69.1389

Harmonies

Analogous

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



63.7081, 48.8982, 10.8920



48.4332, 48.8982, 6.8856



35.3857, 48.8982, 9.0834

Triad

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



48.4332, 48.8982, 6.8856



25.7993, 48.8982, 96.0096



73.3558, 48.8982, 110.9039

Complementary

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



48.4332, 48.8982, 6.8856



15.2841, 7.9394, 74.8551

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.



59.6713, 48.8982, 160.7666



48.4332, 48.8982, 6.8856



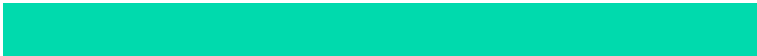
32.6708, 48.8982, 149.4931

Square

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



48.4332, 48.8982, 6.8856



24.0000, 48.8982, 47.9033



44.5728, 48.8982, 177.6491



79.8538, 48.8982, 58.9630

Rectangle

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



48.4332, 48.8982, 6.8856



29.2980, 48.8982, 15.0138



44.5728, 48.8982, 177.6491



69.3221, 48.8982, 129.3247

Sweetspot

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



48.4343, 48.9006, 6.8865



79.9875, 85.8171, 54.7317



32.9660, 16.9195, 4.9507



16.7521, 17.9881, 10.4922



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.



48.4343, 48.9006, 6.8865



61.7386, 62.2571, 8.7629



44.1544, 64.3562, 10.0954



15.3206, 16.2551, 15.2345



27.7843, 28.1428, 3.9677



2.1195, 2.2123, 0.3153

Inverse Universe

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



15.2841, 7.9394, 74.8551



19.4484, 10.0168, 95.5161



16.0724, 6.6522, 74.5650



13.8367, 14.3948, 18.1935



8.8108, 4.6837, 42.8228



0.7188, 0.4815, 3.1870

Previews

White Background



This preview shows how the XYZ color 48.4332, 48.8982, 6.8856 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 48.4332, 48.8982, 6.8856 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 48.4332, 48.8982, 6.8856

Background



This preview shows how black text looks on a background with the XYZ color 48.4332, 48.8982, 6.8856.



This preview shows how white text looks on a background with the XYZ color 48.4332, 48.8982,

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

48.4332, 48.8982, 6.8856

Protanopia

44.1977, 48.8436, 7.4149

Deuteranopia

49.8589, 48.7419, 7.1610



Tritanopia

57.0328, 48.7043, 49.0427

Trichromacy



Original Color

48.4332, 48.8982, 6.8856

Protanomaly

45.5871, 48.6340, 7.1856

Deuteranomaly

49.3702, 48.7855, 7.0442

Tritanomaly

51.8611, 48.0029, 22.4517

Monochromacy



Original Color

48.4332, 48.8982, 6.8856

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.6427, 43.6677, 21.3255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4332, 48.8982, 6.8856 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(229, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 179, 0)  
}
```

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(229, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.4332, 48.8982, 6.8856 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(229, 179, 0) }
```


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

```
.border{ border-color:rgb(229, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 179,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4332, 48.8982, 6.8856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 179, 0) }
```

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

```
.background{ background-color: rgb(229,  
179, 0) }
```

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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