

Converting Colors

XYZ(48.4465, 47.4673, 6.6087)

Have a look what the booklet for
XYZ(48.4465, 47.4673, 6.6087)
contains.

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Color

**XYZ(48.4148, 47.4279,
6.6028)**

Conversions

Conversions Part 1

Format	Color
Hex	E8AE00
RGB	232, 174, 0
RGB Percent	91%, 68%, 0%
CMY	0.0902, 0.3176, 0.9999
CMYK	0.00, 0.25, 1.00, 0.09
HSL	45°, 100%, 45%
HSV	45°, 100%, 91%
XYZ	48.4148, 47.4279, 6.6028
YIQ	171.5060, 90.4220, -41.8180

Conversions

Conversions Part 2

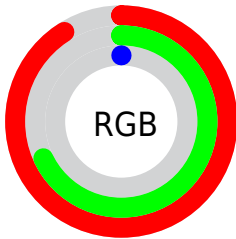
Format	Color
R _Y B	77, 232, 0
Decimal	15248896
CIE Lab	74.46, 9.39, 77.39
CIE LCh	74, 77.962, 83.082
Yxy	47.4279, 0.4726, 0.4630
Android (android.graphics.Color)	4293438976 (0xFFE8AE00)
YUV	171.5060, -84.5525, 53.0532
Hunter-Lab	68.8679, 4.9683, 42.5230

Details

The XYZ color **48.4148, 47.4279, 6.6028** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **16.0793, 8.8536, 77.2049**, and the grayscale version is **39.3467, 41.3958, 45.0800**.

A 20% lighter version of the original color is **70.7073, 77.8778, 18.8947**, and **23.7541, 22.5770, 3.1058** is the 20% darker color. If you saturate the color by 10%, you get **48.4148, 47.4284, 6.6029**, and if you desaturate by 10%, it is **49.7175, 49.7827, 7.8108**.

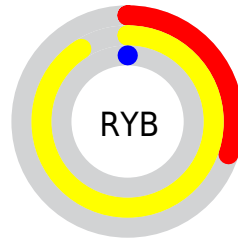
Distribution



Red (91%)

Green (68%)

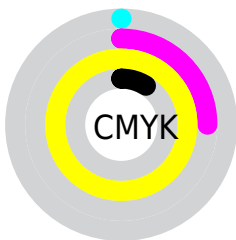
Blue (0%)



Red (30%)

Yellow (91%)

Blue (0%)

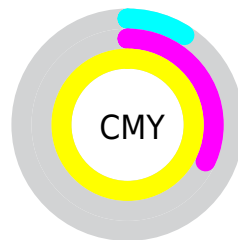


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4148, 47.4279, 6.6028 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 48.4148, 47.4279, 6.6028 by changing the saturation by 10% instead.


 48.4148, 47.4279,
6.6028


 48.4148, 47.4279,
6.6028


370.9892,
376.5200, 173.8250

 34.3681, 33.3741,
3.1403


 87.0276, 86.3520,
19.6687

 23.3408, 22.4131,
1.1667

 112.3245,
111.9910, 30.1091


 14.9674, 14.1608,
0.0000


 142.1021,
142.2606, 43.7126

 8.8827, 8.2326,
0.0000

 176.7259,
177.5451, 60.8977

 4.7212, 4.2441,
0.0000

 216.5611,
218.2288, 82.0830

 2.1177, 1.8110,
0.0000

 261.9732,

 0.6988, 0.4940,

264.6963, 107.6869

0.0000

313.3274,
317.3319, 138.1280

■ 0.0000, 0.0000,
0.0000

■ 48.4148, 47.4279,
6.6028

■ 48.4148, 47.4279,
6.6028

■ 48.4148, 47.4284,
6.6029

■ 49.7175, 49.7827,
7.8108

■ 51.2559, 52.3082,
10.0233

■ 53.0914, 55.0319,
13.5554

■ 55.2592, 57.9686,
18.5904

■ 57.7891, 61.1314,
25.2824

■ 60.7073, 64.5314,
33.7661

■ 64.0372, 68.1790,
44.1625

■ 67.8004, 72.0836,
56.5820

■ 72.0165, 76.2540,
71.1265

Harmonies

Analogous

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



63.3494, 47.4279, 11.1750



48.4148, 47.4279, 6.6028



35.2873, 47.4279, 8.1388

Triad

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



48.4148, 47.4279, 6.6028



24.4988, 47.4279, 88.3386



70.3365, 47.4279, 113.5205

Complementary

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



48.4148, 47.4279, 6.6028



16.0793, 8.8536, 77.2049

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.



56.5321, 47.4279, 160.6605



48.4148, 47.4279, 6.6028



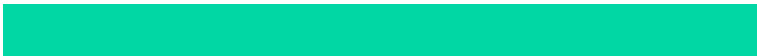
30.7095, 47.4279, 141.5907

Square

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



48.4148, 47.4279, 6.6028



23.2116, 47.4279, 42.8636



41.8997, 47.4279, 172.9723



77.6017, 47.4279, 61.5414

Rectangle

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



48.4148, 47.4279, 6.6028



29.0172, 47.4279, 13.2173



41.8997, 47.4279, 172.9723



66.1850, 47.4279, 131.3625

Sweetspot

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



48.4159, 47.4303, 6.6037



79.2859, 84.4138, 54.4979



34.0428, 17.4617, 5.5810



16.5832, 17.6503, 10.4359



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.



48.4159, 47.4303, 6.6037



59.9259, 58.6318, 8.1586



46.3130, 66.7120, 10.4363



15.2805, 16.1749, 15.2211



26.9831, 26.5403, 3.7006



2.0664, 2.1061, 0.2976

Inverse Universe

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



16.0793, 8.8536, 77.2049



19.8692, 10.8584, 95.6564



16.3113, 6.7265, 76.7821



13.8741, 14.4696, 18.2060



9.0103, 5.0826, 42.8893



0.7383, 0.5205, 3.1935

Previews

White Background



This preview shows how the XYZ color 48.4148, 47.4279, 6.6028 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 48.4148, 47.4279, 6.6028 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 48.4148, 47.4279, 6.6028

Background



This preview shows how black text looks on a background with the XYZ color 48.4148, 47.4279, 6.6028.



This preview shows how white text looks on a background with the XYZ color 48.4148, 47.4279,

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

48.4148, 47.4279, 6.6028

Protanopia

42.9453, 47.5754, 7.3003

Deuteranopia

48.4257, 47.4323, 6.6605



Tritanopia

56.4955, 47.4219, 46.2201

Trichromacy



Original Color

48.4148, 47.4279, 6.6028

Protanomaly

44.6840, 47.2590, 6.9965

Deuteranomaly

48.4202, 47.4301, 6.6316

Tritanomaly

51.4305, 46.4247, 21.2891

Monochromacy



Original Color

48.4148, 47.4279, 6.6028

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.9520, 42.4606, 20.5580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4148, 47.4279, 6.6028 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(232, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 174, 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(232, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.4148, 47.4279, 6.6028 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(232, 174, 0) }
```


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

```
.border{ border-color:rgb(232, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 174,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4148, 47.4279, 6.6028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 174, 0) }
```

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

```
.background{ background-color: rgb(232,  
174, 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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