

Converting Colors

XYZ(47.0742, 44.3150, 6.0726)

Have a look what the booklet for
XYZ(47.0742, 44.3150, 6.0726)
contains.

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Color

**XYZ(47.0594, 44.2339,
6.0577)**

Conversions

Conversions Part 1

Format	Color
Hex	E9A500
RGB	233, 165, 0
RGB Percent	91%, 65%, 0%
CMY	0.0863, 0.3529, 0.9999
CMYK	0.00, 0.29, 1.00, 0.09
HSL	42°, 100%, 46%
HSV	42°, 100%, 91%
XYZ	47.0594, 44.2339, 6.0577
YIQ	166.5220, 93.4930, -36.8990

Conversions

Conversions Part 2

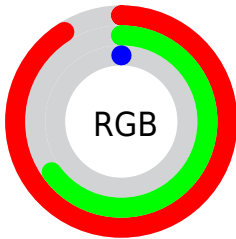
Format	Color
R_{YB}	96, 233, 0
Decimal	15312128
CIE _{Lab}	72.38, 14.59, 76.04
CIE _{LCh}	72, 77.423, 79.141
Yxy	44.2339, 0.4834, 0.4544
Android (android.graphics.Color)	4293502208 (0xFFE9A500)
YUV	166.5220, -82.0953, 58.3012
Hunter-Lab	66.5086, 9.9111, 41.1558

Details

The XYZ color **47.0594, 44.2339, 6.0577** 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 **16.7757, 10.0185, 78.1397**, and the grayscale version is **36.8546, 38.7739, 42.2248**.

A 20% lighter version of the original color is **68.2083, 72.9965, 17.7025**, and **22.6997, 20.4682, 2.7543** is the 20% darker color. If you saturate the color by 10%, you get **47.0595, 44.2344, 6.0578**, and if you desaturate by 10%, it is **48.4775, 46.8180, 7.3090**.

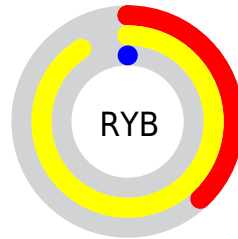
Distribution



Red (91%)

Green (65%)

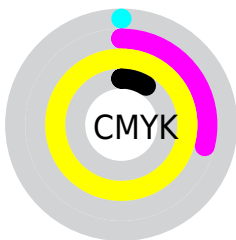
Blue (0%)



Red (38%)

Yellow (91%)

Blue (0%)

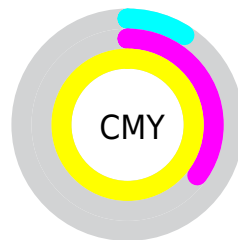


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0594, 44.2339, 6.0577 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 47.0594, 44.2339, 6.0577 by changing the saturation by 10% instead.

 47.0594, 44.2339,
6.0577


 47.0594, 44.2339,
6.0577


365.6965,
363.6619, 168.9090


 33.2908, 30.8544,
2.8108


 85.0205, 81.5696,
18.5303


 22.5096, 20.4880,
0.9989


 109.9436,
106.2946, 28.5931


 14.3505, 12.7503,
0.0000


 139.3157,
135.5703, 41.7649

 8.4482, 7.2568,
0.0000

 173.5019,
169.7809, 58.4644

 4.4372, 3.6232,
0.0000

 212.8678,
209.3111, 79.1100

 1.9523, 1.4651,
0.0000

 257.7786,

 0.6070, 0.2640,

254.5450, 104.1202

0.0000

308.5998,
305.8671, 133.9137

■ 0.0000, 0.0000,
0.0000

■ 47.0594, 44.2339,
6.0577

■ 47.0594, 44.2339,
6.0577

■ 47.0595, 44.2344,
6.0578

■ 48.4775, 46.8180,
7.3090

■ 50.1506, 49.6081,
9.5810

■ 52.1408, 52.6325,
13.1914

■ 54.4841, 55.9072,
18.3256

■ 57.2111, 59.4457,
25.1395

■ 60.3484, 63.2602,
33.7694

■ 63.9201, 67.3618,
44.3377

■ 67.9483, 71.7606,
56.9561

■ 72.4532, 76.4662,
71.7276

Harmonies

Analogous

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



61.1403, 44.2339, 11.2436



47.0594, 44.2339, 6.0577



34.1859, 44.2339, 6.7729

Triad

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



47.0594, 44.2339, 6.0577



22.1789, 44.2339, 76.4663



64.5620, 44.2339, 113.9198

Complementary

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



47.0594, 44.2339, 6.0577



16.7757, 10.0185, 78.1397

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.



51.0202, 44.2339, 156.1286



47.0594, 44.2339, 6.0577



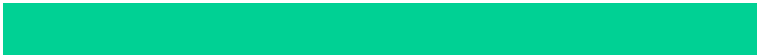
27.4046, 44.2339, 127.7525

Square

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



47.0594, 44.2339, 6.0577



21.5593, 44.2339, 35.6145



37.3964, 44.2339, 162.2160



72.5755, 44.2339, 63.3596

Rectangle

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



47.0594, 44.2339, 6.0577



27.8497, 44.2339, 10.7155



37.3964, 44.2339, 162.2160



60.3875, 44.2339, 130.4836

Sweetspot

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



47.0604, 44.2361, 6.0585



78.3731, 82.5882, 54.1936



34.7068, 17.7649, 7.3793



16.3640, 17.2119, 10.3628



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.



47.0604, 44.2361, 6.0585



57.6790, 54.1381, 7.4097



49.4864, 68.7670, 10.6656



15.9591, 16.8413, 15.9283



26.8148, 25.3239, 3.4747



2.1879, 2.1531, 0.3003

Inverse Universe

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



16.7757, 10.0185, 78.1397



20.5268, 12.1735, 95.8756



15.8625, 6.4787, 77.5046



14.5894, 15.2651, 19.0998



9.6113, 5.8696, 44.3693



0.8352, 0.6218, 3.5109

Previews

White Background



This preview shows how the XYZ color 47.0594, 44.2339, 6.0577 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 47.0594, 44.2339, 6.0577 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 47.0594, 44.2339, 6.0577

Background



This preview shows how black text looks on a background with the XYZ color 47.0594, 44.2339, 6.0577.



This preview shows how white text looks on a background with the XYZ color 47.0594, 44.2339,

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

47.0594, 44.2339, 6.0577

Protanopia

40.0871, 44.2900, 6.8515

Deuteranopia

45.2393, 44.3835, 6.1825



Tritanopia

54.1179, 44.0243, 41.2425

Trichromacy



Original Color

47.0594, 44.2339, 6.0577

Protanomaly

42.4335, 44.0530, 6.5250

Deuteranomaly

45.9975, 44.4992, 6.1649

Tritanomaly

49.5318, 43.1384, 19.0805

Monochromacy



Original Color

47.0594, 44.2339, 6.0577

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.7236, 39.3894, 19.2503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0594, 44.2339, 6.0577 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, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 165, 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(233, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.0594, 44.2339, 6.0577 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, 165, 0) }
```


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

```
.border{ border-color:rgb(233, 165, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 165,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0594, 44.2339, 6.0577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 165, 0) }
```

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

```
.background{ background-color: rgb(233,  
165, 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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