

Converting Colors

XYZ(46.5447, 46.0867, 6.4424)

Have a look what the booklet for
XYZ(46.5447, 46.0867, 6.4424)
contains.

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Color

**XYZ(46.6221, 46.2180,
6.4637)**

Conversions

Conversions Part 1

Format	Color
Hex	E3AD00
RGB	227, 173, 0
RGB Percent	89%, 68%, 0%
CMY	0.1098, 0.3215, 0.9999
CMYK	0.00, 0.24, 1.00, 0.11
HSL	46°, 100%, 45%
HSV	46°, 100%, 89%
XYZ	46.6221, 46.2180, 6.4637
YIQ	169.4240, 87.7170, -42.3550

Conversions

Conversions Part 2

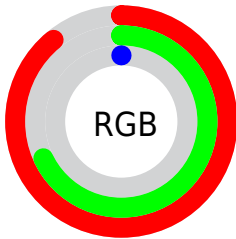
Format	Color
R _Y B	71, 227, 0
Decimal	14920960
CIE Lab	73.69, 7.74, 76.61
CIE LCh	74, 77.003, 84.228
Yxy	46.2180, 0.4695, 0.4654
Android (android.graphics.Color)	4293111040 (0xFFE3AD00)
YUV	169.4240, -83.5260, 50.4942
Hunter-Lab	67.9838, 3.4404, 41.9516

Details

The XYZ color **46.6221, 46.2180, 6.4637** 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 **15.1848, 8.1854, 73.4520**, and the grayscale version is **38.2954, 40.2897, 43.8755**.

A 20% lighter version of the original color is **70.4314, 77.3260, 18.8027**, and **22.5633, 21.7817, 3.0151** is the 20% darker color. If you saturate the color by 10%, you get **46.6223, 46.2187, 6.4638**, and if you desaturate by 10%, it is **47.8314, 48.3940, 7.6158**.

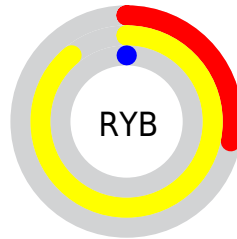
Distribution



Red (89%)

Green (68%)

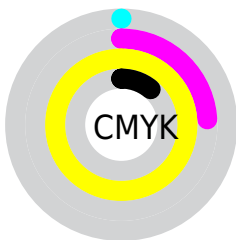
Blue (0%)



Red (28%)

Yellow (89%)

Blue (0%)

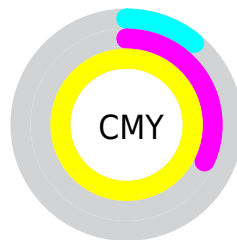


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6221, 46.2180, 6.4637 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 46.6221, 46.2180, 6.4637 by changing the saturation by 10% instead.


 46.6221, 46.2180,
6.4637


 46.6221, 46.2180,
6.4637


363.9782,
371.6844, 172.5882


 32.9437, 32.4179,
3.0557


 84.3714, 84.5452,
19.3801


 22.2424, 21.6809,
1.1232


 109.1731,
109.8410, 29.7255


 14.1527, 13.6226,
0.0000


 138.4132,
139.7375, 43.2205

 8.3093, 7.8587,
0.0000

 172.4572,
174.6191, 60.2837

 4.3470, 4.0046,
0.0000

 211.6703,
214.8702, 81.3335

 1.9003, 1.6762,
0.0000

 256.4179,

 0.5770, 0.4081,

260.8752, 106.7885

0.0000

307.0655,
313.0185, 137.0672

■ 0.0000, 0.0000,
0.0000

■ 46.6221, 46.2180,
6.4637

■ 46.6221, 46.2180,
6.4637

■ 46.6223, 46.2187,
6.4638

■ 47.8314, 48.3940,
7.6158

■ 49.2601, 50.7237,
9.7193

■ 50.9670, 53.2331,
13.0763

■ 52.9854, 55.9363,
17.8602

■ 55.3434, 58.8454,
24.2170

■ 58.0658, 61.9708,
32.2744

■ 61.1746, 65.3223,
42.1470

■ 64.6903, 68.9085,
53.9394

■ 68.6314, 72.7377,
67.7482

Harmonies

Analogous

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



61.1300, 46.2180, 10.6522



46.6221, 46.2180, 6.4637



34.0130, 46.2180, 8.1861

Triad

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



46.6221, 46.2180, 6.4637



24.0754, 46.2180, 87.9090



68.8547, 46.2180, 108.3050

Complementary

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



46.6221, 46.2180, 6.4637



15.1848, 8.1854, 73.4520

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.



55.6058, 46.2180, 154.7272



46.6221, 46.2180, 6.4637



30.3012, 46.2180, 139.2844

Square

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



46.6221, 46.2180, 6.4637



22.6454, 46.2180, 43.1350



41.3413, 46.2180, 168.3014



75.5642, 46.2180, 58.2694

Rectangle

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



46.6221, 46.2180, 6.4637



28.0448, 46.2180, 13.3887



41.3413, 46.2180, 168.3014



64.9008, 46.2180, 125.7048

Sweetspot

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



46.6231, 46.2203, 6.4646



79.5533, 84.9487, 54.5870



32.4111, 16.6242, 5.3404



16.6475, 17.7789, 10.4573



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.



46.6231, 46.2203, 6.4646



60.6081, 59.9962, 8.3860



44.1014, 63.5121, 9.9352



15.2958, 16.2056, 15.2263



27.2848, 27.1437, 3.8012



2.0864, 2.1462, 0.3043

Inverse Universe

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



15.1848, 8.1854, 73.4520



19.7005, 10.5211, 95.6002



15.5390, 6.4093, 73.0905



13.8598, 14.4409, 18.2012



8.9306, 4.9232, 42.8628



0.7306, 0.5052, 3.1910

Previews

White Background



This preview shows how the XYZ color 46.6221, 46.2180, 6.4637 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 46.6221, 46.2180, 6.4637 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 46.6221, 46.2180, 6.4637

Background



This preview shows how black text looks on a background with the XYZ color 46.6221, 46.2180, 6.4637.



This preview shows how white text looks on a background with the XYZ color 46.6221, 46.2180,

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

46.6221, 46.2180, 6.4637

Protanopia

41.9711, 46.4616, 7.1037

Deuteranopia

47.1095, 46.1806, 6.6605



Tritanopia

54.5486, 46.1690, 45.5717

Trichromacy



Original Color

46.6221, 46.2180, 6.4637

Protanomaly

43.6045, 46.4039, 6.8884

Deuteranomaly

46.7748, 46.0100, 6.5591

Tritanomaly

49.5483, 45.1919, 20.8633

Monochromacy



Original Color

46.6221, 46.2180, 6.4637

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.3167, 40.7793, 20.0390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6221, 46.2180, 6.4637 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(227, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 173, 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(227, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.6221, 46.2180, 6.4637 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(227, 173, 0) }
```


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

```
.border{ border-color:rgb(227, 173, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 173,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6221, 46.2180, 6.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 173, 0) }
```

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

```
.background{ background-color: rgb(227,  
173, 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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