

Converting Colors

XYZ(46.2046, 42.3742, 6.5117)

Have a look what the booklet for
XYZ(46.2046, 42.3742, 6.5117)
contains.

XYZ(46.3199, 42.5232, 6.5255)	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(46.3199, 42.5232,
6.5255)**

Conversions

Conversions Part 1

Format	Color
Hex	E9A016
RGB	233, 160, 22
RGB Percent	91%, 63%, 9%
CMY	0.0863, 0.3725, 0.9137
CMYK	0.00, 0.31, 0.91, 0.09
HSL	39°, 83%, 50%
HSV	39°, 91%, 91%
XYZ	46.3199, 42.5232, 6.5255
YIQ	166.0950, 87.8060, -27.4420

Conversions

Conversions Part 2

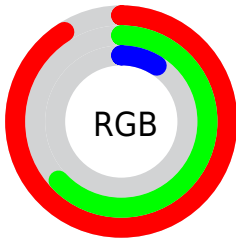
Format	Color
RYB	134, 233, 22
Decimal	15310870
CIELab	71.23, 17.48, 72.13
CIElCh	71, 74.217, 76.378
Yxy	42.5232, 0.4857, 0.4459
Android (android.graphics.Color)	4293500950 (0xFFE9A016)
YUV	166.0950, -71.0388, 58.6757
Hunter-Lab	65.2098, 12.6751, 39.7138

Details

The XYZ color **46.3199, 42.5232, 6.5255** 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 **19.1312, 14.2383, 78.8301**, and the grayscale version is **36.5961, 38.5020, 41.9286**.

A 20% lighter version of the original color is **67.1801, 70.5168, 18.6647**, and **22.2632, 19.5952, 2.6089** is the 20% darker color. If you saturate the color by 10%, you get **44.8961, 39.9078, 5.3367**, and if you desaturate by 10%, it is **48.0987, 45.5454, 8.7699**.

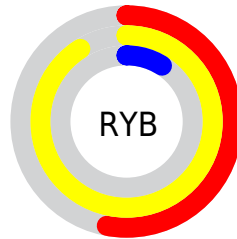
Distribution



Red (91%)

Green (63%)

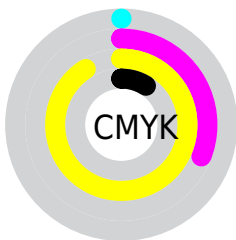
Blue (9%)



Red (53%)

Yellow (91%)

Blue (9%)

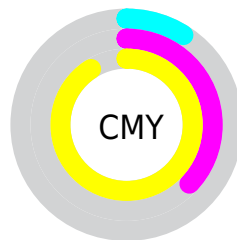


Cyan (0%)

Magenta (31%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (37%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3199, 42.5232, 6.5255 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 46.3199, 42.5232, 6.5255 by changing the saturation by 10% instead.


 46.3199, 42.5232,
6.5255


 46.3199, 42.5232,
6.5255


362.7877,
356.6472, 173.1391

 32.7040, 29.5112,
3.0933


 83.9225, 78.9909,
19.5084


 22.0580, 19.4679,
1.1425


 108.6399,
103.2153, 29.8962


 14.0163, 12.0088,
0.0000


 137.7886,
131.9460, 43.4396

 8.2138, 6.7497,
0.0000

 171.7338,
165.5673, 60.5570

 4.2850, 3.3061,
0.0000

 210.8410,
204.4638, 81.6672

 1.8646, 1.2935,
0.0000

 255.4754,

 0.5561, 0.1362,

249.0196, 107.1886

0.0000

306.0026,
299.6193, 137.5397

■ 0.0000, 0.0000,
0.0000

■ 46.3199, 42.5232,
6.5255

■ 46.3199, 42.5232,
6.5255

■ 44.8961, 39.9078,
5.3367

■ 48.0987, 45.5454,
8.7699

■ 50.2165, 48.8491,
12.3487

■ 52.7114, 52.4539,
17.4505

■ 55.6148, 56.3748,
24.2325

■ 58.9544, 60.6254,
32.8325

■ 62.7547, 65.2178,
43.3735

■ 67.0387, 70.1637,
55.9680

■ 71.8273, 75.4736,
70.7196

■ 77.1402, 81.1576,
87.7252

Harmonies

Analogous

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



59.2795, 42.5232, 12.2957



46.3199, 42.5232, 6.5255



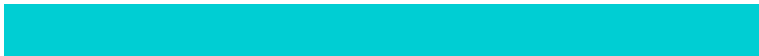
34.0370, 42.5232, 6.7593

Triad

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



46.3199, 42.5232, 6.5255



21.5286, 42.5232, 68.4423



60.3365, 42.5232, 111.5155

Complementary

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



46.3199, 42.5232, 6.5255



19.1312, 14.2383, 78.8301

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.



47.5483, 42.5232, 148.1129



46.3199, 42.5232, 6.5255



26.0517, 42.5232, 115.7567

Square

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



46.3199, 42.5232, 6.5255



21.3334, 42.5232, 31.9608



35.0382, 42.5232, 149.9731



68.4251, 42.5232, 64.3927

Rectangle

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



46.3199, 42.5232, 6.5255



27.8187, 42.5232, 10.1362



35.0382, 42.5232, 149.9731



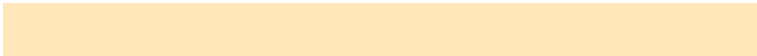
56.3391, 42.5232, 126.3170

Sweetspot

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



46.3208, 42.5254, 6.5263



78.7456, 82.0649, 58.2278



35.9957, 18.7395, 12.7512



16.4833, 17.1301, 11.3904



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.



46.3208, 42.5254, 6.5263



55.0189, 48.8179, 6.5230



53.4653, 70.8014, 11.6076



15.8879, 16.6987, 15.9045



25.5953, 22.8848, 3.0682



2.0990, 1.9754, 0.2707

Inverse Universe

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



19.1312, 14.2383, 78.8301



21.5576, 14.2352, 96.2192



16.4979, 7.2321, 77.6166



14.6573, 15.4011, 19.1224



10.1029, 6.8529, 44.5332



0.8803, 0.7120, 3.5259

Previews

White Background



This preview shows how the XYZ color 46.3199, 42.5232, 6.5255 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 46.3199, 42.5232, 6.5255 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 46.3199, 42.5232, 6.5255

Background



This preview shows how black text looks on a background with the XYZ color 46.3199, 42.5232, 6.5255.



This preview shows how white text looks on a background with the XYZ color 46.3199, 42.5232,

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

46.3199, 42.5232, 6.5255

Protanopia

38.5538, 42.6094, 7.2293

Deuteranopia

43.5412, 42.6791, 6.3950



Tritanopia

53.0278, 42.5582, 38.6774

Trichromacy



Original Color

46.3199, 42.5232, 6.5255

Protanomaly

41.1285, 42.5213, 6.9594

Deuteranomaly

44.4360, 42.6021, 6.4533

Tritanomaly

49.1308, 41.9128, 20.2524

Monochromacy



Original Color

46.3199, 42.5232, 6.5255

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.5479, 38.7130, 21.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3199, 42.5232, 6.5255 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, 160, 22)` looks like.

```
.text, #text, p{  
    color:rgb(233, 160, 22)  
}
```

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, 160, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 160, 22) }
```

Border

The CSS property to change the border of an element to XYZ 46.3199, 42.5232, 6.5255 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, 160, 22) }
```


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

```
.border{ border-color:rgb(233, 160, 22) }
```

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

Here you see how a box with a 4 pixel rgb(233, 160, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 160, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 160, 22);  
box-shadow:4px 4px 4px 4px rgb(233, 160,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3199, 42.5232, 6.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 160, 22) }
```

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

```
.background{ background-color: rgb(233,  
160, 22) }
```

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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