

Converting Colors

XYZ(46.7605, 45.4365, 6.6864)

Have a look what the booklet for
XYZ(46.7605, 45.4365, 6.6864)
contains.

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Color

**XYZ(46.7605, 45.4365,
6.6864)**

Conversions

Conversions Part 1

Format	Color
Hex	E5AA0D
RGB	229, 170, 13
RGB Percent	90%, 67%, 5%
CMY	0.1020, 0.3333, 0.9490
CMYK	0.00, 0.26, 0.94, 0.10
HSL	44°, 89%, 47%
HSV	44°, 94%, 90%
XYZ	46.7605, 45.4365, 6.6864
YIQ	169.7430, 85.5610, -36.3190

Conversions

Conversions Part 2

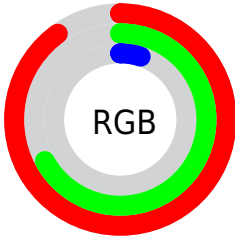
Format	Color
RYB	94, 229, 13
Decimal	15051277
CIELab	73.18, 10.33, 74.85
CIELCh	73, 75.559, 82.146
Yxy	45.4365, 0.4729, 0.4595
Android (android.graphics.Color)	4293241357 (0xFFE5AA0D)
YUV	169.7430, -77.2743, 51.9684
Hunter-Lab	67.4066, 5.8653, 41.3033

Details

The XYZ color **46.7605, 45.4365, 6.6864** 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 **16.6269, 10.3787, 75.2552**, and the grayscale version is **38.4252, 40.4263, 44.0242**.

A 20% lighter version of the original color is **69.7265, 75.7350, 19.1269**, and **22.6269, 21.2817, 2.9152** is the 20% darker color. If you saturate the color by 10%, you get **46.0312, 44.0946, 6.0850**, and if you desaturate by 10%, it is **48.2066, 47.9379, 8.3745**.

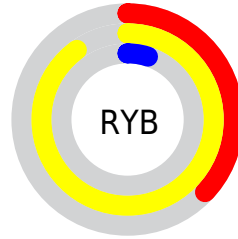
Distribution



Red (90%)

Green (67%)

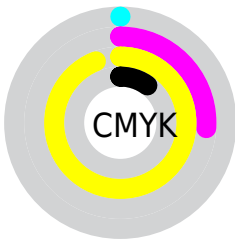
Blue (5%)



Red (37%)

Yellow (90%)

Blue (5%)

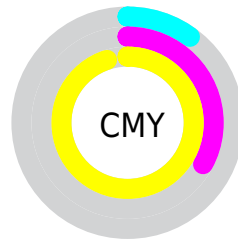


Cyan (0%)

Magenta (26%)

Yellow (94%)

Black (10%)



Cyan (10%)

Magenta (33%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7605, 45.4365, 6.6864 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 46.7605, 45.4365, 6.6864 by changing the saturation by 10% instead.

46.7605, 45.4365,
6.6864

46.7605, 45.4365,
6.6864

364.5226,
368.5385, 174.5627

33.0535, 31.8014,
3.1913

84.5769, 83.3750,
19.8415

22.3269, 21.2098,
1.1931

109.4171,
108.4472, 30.3386

14.2152, 13.2775,
0.0000

138.6990,
138.1006, 44.0068

8.3532, 7.6199,
0.0000

172.7881,
172.7195, 61.2646

4.3755, 3.8527,
0.0000

212.0496,
212.6884, 82.5305

1.9167, 1.5915,
0.0000

256.8490,

0.5865, 0.3519,

258.3916, 108.2232

0.0000

307.5515,
310.2135, 138.7611

■ 0.0000, 0.0000,
0.0000

■ 46.7605, 45.4365,
6.6864

■ 46.7605, 45.4365,
6.6864

■ 46.0312, 44.0946,
6.0850

■ 48.2066, 47.9379,
8.3745

■ 49.9313, 50.6393,
11.2554

■ 51.9734, 53.5594,
15.5247

■ 54.3638, 56.7116,
21.3424

■ 57.1294, 60.1078,
28.8462

■ 60.2941, 63.7587,
38.1587

■ 63.8797, 67.6741,
49.3909

■ 67.9062, 71.8631,
62.6451

■ 72.3921, 76.3342,
78.0159

Harmonies

Analogous

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



60.7750, 45.4365, 11.3393



46.7605, 45.4365, 6.6864



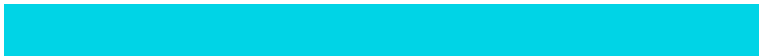
34.2796, 45.4365, 8.0011

Triad

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



46.7605, 45.4365, 6.6864



23.6317, 45.4365, 82.3747



66.5766, 45.4365, 109.0840

Complementary

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



46.7605, 45.4365, 6.6864



16.6269, 10.3787, 75.2552

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.



53.5152, 45.4365, 152.4423



46.7605, 45.4365, 6.6864



29.3674, 45.4365, 132.2963

Square

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



46.7605, 45.4365, 6.6864



22.5515, 45.4365, 40.1601



39.7985, 45.4365, 162.6050



73.6457, 45.4365, 60.1238

Rectangle

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



46.7605, 45.4365, 6.6864



28.2520, 45.4365, 12.7057



39.7985, 45.4365, 162.6050



62.6281, 45.4365, 125.6470

Sweetspot

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



46.7615, 45.4388, 6.6873



79.7010, 84.4062, 57.2192



33.7002, 17.4434, 8.1066



16.6394, 17.6054, 10.9395



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.



46.7615, 45.4388, 6.6873



58.6623, 56.1046, 7.7374



47.4312, 66.0372, 10.6279



15.2513, 16.1164, 15.2114



26.4238, 25.4217, 3.5142



2.0290, 2.0313, 0.2851

Inverse Universe

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



16.6269, 10.3787, 75.2552



20.2183, 11.5567, 95.7728



16.1390, 6.9002, 74.6095



13.9016, 14.5245, 18.2152



9.1743, 5.4107, 42.9440



0.7536, 0.5512, 3.1986

Previews

White Background



This preview shows how the XYZ color 46.7605, 45.4365, 6.6864 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 46.7605, 45.4365, 6.6864 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 46.7605, 45.4365, 6.6864

Background



This preview shows how black text looks on a background with the XYZ color 46.7605, 45.4365, 6.6864.



This preview shows how white text looks on a background with the XYZ color 46.7605, 45.4365,

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

46.7605, 45.4365, 6.6864

Protanopia

41.0590, 45.3827, 7.1680

Deuteranopia

46.6242, 45.6463, 6.7011



Tritanopia

54.4076, 45.3605, 43.9181

Trichromacy



Original Color

46.7605, 45.4365, 6.6864

Protanomaly

42.7702, 45.0851, 6.9383

Deuteranomaly

46.6242, 45.6463, 6.7011

Tritanomaly

49.8327, 44.5253, 21.5906

Monochromacy



Original Color

46.7605, 45.4365, 6.6864

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.8412, 41.0181, 21.4929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7605, 45.4365, 6.6864 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, 170, 13)` looks like.

```
.text, #text, p{  
    color:rgb(229, 170, 13)  
}
```

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, 170, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 170, 13) }
```

Border

The CSS property to change the border of an element to XYZ 46.7605, 45.4365, 6.6864 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, 170, 13) }
```


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

```
.border{ border-color:rgb(229, 170, 13) }
```

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

Here you see how a box with a 4 pixel rgb(229, 170, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 170, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 170, 13);  
box-shadow:4px 4px 4px 4px rgb(229, 170,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7605, 45.4365, 6.6864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 170, 13) }
```

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

```
.background{ background-color: rgb(229,  
170, 13) }
```

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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