

Converting Colors

XYZ(48.2221, 46.0245, 6.5031)

Have a look what the booklet for
XYZ(48.2221, 46.0245, 6.5031)
contains.

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Color

**XYZ(48.1525, 45.8815,
6.4904)**

Conversions

Conversions Part 1

Format	Color
Hex	EAA906
RGB	234, 169, 6
RGB Percent	92%, 66%, 2%
CMY	0.0824, 0.3372, 0.9764
CMYK	0.00, 0.28, 0.97, 0.08
HSL	43°, 95%, 47%
HSV	43°, 97%, 92%
XYZ	48.1525, 45.8815, 6.4904
YIQ	169.8530, 91.0630, -36.9130

Conversions

Conversions Part 2

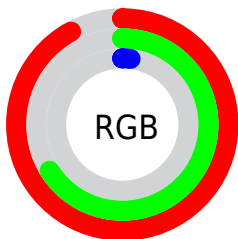
Format	Color
R_{YB}	97, 234, 6
Decimal	15378694
CIE _{Lab}	73.47, 12.95, 76.13
CIE _{LCh}	73, 77.223, 80.344
Yxy	45.8815, 0.4790, 0.4564
Android (android.graphics.Color)	4293568774 (0xFFEAA906)
YUV	169.8530, -80.7795, 56.2569
Hunter-Lab	67.7359, 8.3554, 41.7340

Details

The XYZ color **48.1525, 45.8815, 6.4904** 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 **17.1803, 10.4869, 78.9599**, and the grayscale version is **38.4953, 40.5001, 44.1046**.

A 20% lighter version of the original color is **69.3809, 75.1654, 18.6362**, and **23.5949, 21.6068, 2.9269** is the 20% darker color. If you saturate the color by 10%, you get **47.8035, 45.2366, 6.2120**, and if you desaturate by 10%, it is **49.6205, 48.5073, 7.9372**.

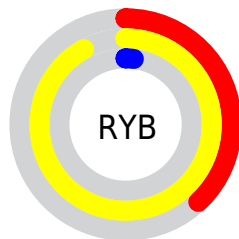
Distribution



Red (92%)

Green (66%)

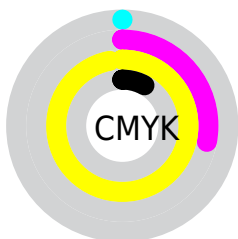
Blue (2%)



Red (38%)

Yellow (92%)

Blue (2%)

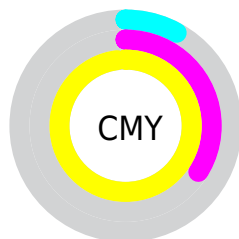


Cyan (0%)

Magenta (28%)

Yellow (97%)

Black (8%)



Cyan (8%)


Magenta (34%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1525, 45.8815, 6.4904 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 48.1525, 45.8815, 6.4904 by changing the saturation by 10% instead.


 48.1525, 45.8815,
6.4904


 48.1525, 45.8815,
6.4904


369.9688,
370.3320, 172.8265

 34.1594, 32.1523,
3.0719


 86.6397, 84.0416,
19.4355


 23.1796, 21.4779,
1.1315


 111.8646,
109.2414, 29.7993

 14.8476, 13.4738,
0.0000


 141.5641,
139.0334, 43.3152

 8.7981, 7.7556,
0.0000

 176.1036,
173.8021, 60.4019

 4.6658, 3.9389,
0.0000

 215.8485,
213.9320, 81.4778

 2.0853, 1.6395,
0.0000

 261.1641,

 0.6812, 0.3840,

259.8073, 106.9615

0.0000

312.4158,
311.8125, 137.2716

■ 0.0000, 0.0000,
0.0000

■ 48.1525, 45.8815,
6.4904

■ 48.1525, 45.8815,
6.4904

■ 47.8035, 45.2366,
6.2120

■ 49.6205, 48.5073,
7.9372

■ 51.3691, 51.3463,
10.5494

■ 53.4451, 54.4204,
14.5643

■ 55.8831, 57.7449,
20.1600

■ 58.7127, 61.3331,
27.4882

■ 61.9602, 65.1968,
36.6827

■ 65.6493, 69.3467,
47.8642

■ 69.8015, 73.7929,
61.1430

■ 74.4372, 78.5447,
76.6213

Harmonies

Analogous

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



62.5554, 45.8815, 11.5967



48.1525, 45.8815, 6.4904



35.1206, 45.8815, 7.4632

Triad

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



48.1525, 45.8815, 6.4904



23.3687, 45.8815, 80.8441



67.0476, 45.8815, 114.7650

Complementary

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



48.1525, 45.8815, 6.4904



17.1803, 10.4869, 78.9599

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.



53.3655, 45.8815, 158.4928



48.1525, 45.8815, 6.4904



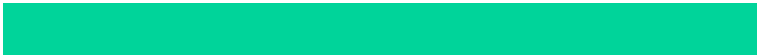
28.9357, 45.8815, 132.8440

Square

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



48.1525, 45.8815, 6.4904



22.5454, 45.8815, 38.3995



39.3607, 45.8815, 166.4314



74.8695, 45.8815, 63.6283

Rectangle

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



48.1525, 45.8815, 6.4904



28.7528, 45.8815, 11.8167



39.3607, 45.8815, 166.4314



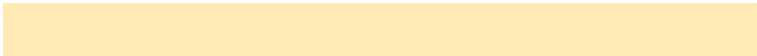
62.8623, 45.8815, 131.7360

Sweetspot

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



48.1535, 45.8838, 6.4913



78.9853, 83.3975, 55.6773



35.2466, 18.1229, 8.1918



16.4891, 17.3841, 10.6447



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.



48.1535, 45.8838, 6.4913



58.0306, 54.8411, 7.5269



50.2939, 69.6009, 10.9563



15.9681, 16.8591, 15.9312



26.9757, 25.6456, 3.5283



2.1995, 2.1763, 0.3041

Inverse Universe

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



17.1803, 10.4869, 78.9599



20.4125, 11.9451, 95.8375



16.3128, 6.7909, 78.2922



14.5809, 15.2482, 19.0970



9.5564, 5.7598, 44.3510



0.8299, 0.6113, 3.5091

Previews

White Background



This preview shows how the XYZ color 48.1525, 45.8815, 6.4904 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 48.1525, 45.8815, 6.4904 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 48.1525, 45.8815, 6.4904

Background



This preview shows how black text looks on a background with the XYZ color 48.1525, 45.8815, 6.4904.



This preview shows how white text looks on a background with the XYZ color 48.1525, 45.8815,

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

48.1525, 45.8815, 6.4904

Protanopia

41.5119, 45.9196, 7.1274

Deuteranopia

46.8760, 45.7838, 6.3665



Tritanopia

55.8364, 45.8558, 43.4443

Trichromacy



Original Color

48.1525, 45.8815, 6.4904

Protanomaly

43.8128, 45.9179, 6.9017

Deuteranomaly

47.3407, 45.7428, 6.3915

Tritanomaly

51.1559, 44.9662, 20.7350

Monochromacy



Original Color

48.1525, 45.8815, 6.4904

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.1815, 41.2127, 20.6416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1525, 45.8815, 6.4904 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(234, 169, 6)` looks like.

```
.text, #text, p{  
    color:rgb(234, 169, 6)  
}
```

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(234, 169, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 169, 6) }
```

Border

The CSS property to change the border of an element to XYZ 48.1525, 45.8815, 6.4904 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(234, 169, 6) }
```


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

```
.border{ border-color:rgb(234, 169, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 169, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 169, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 169, 6);  
box-shadow:4px 4px 4px 4px rgb(234, 169,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1525, 45.8815, 6.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 169, 6) }
```

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

```
.background{ background-color: rgb(234,  
169, 6) }
```

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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