

Converting Colors

XYZ(46.6999, 45.6194, 8.8615)

Have a look what the booklet for
XYZ(46.6999, 45.6194, 8.8615)
contains.

XYZ(46.7151, 45.6462, 8.8311)	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(46.7151, 45.6462,
8.8311)**

Conversions

Conversions Part 1

Format	Color
Hex	E3AB2D
RGB	227, 171, 45
RGB Percent	89%, 67%, 18%
CMY	0.1098, 0.3294, 0.8235
CMYK	0.00, 0.25, 0.80, 0.11
HSL	42°, 76%, 53%
HSV	42°, 80%, 89%
XYZ	46.7151, 45.6462, 8.8311
YIQ	173.3800, 73.8220, -27.3140

Conversions

Conversions Part 2

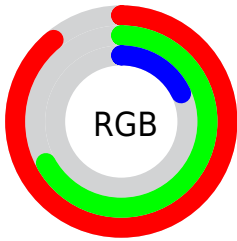
Format	Color
R_{YB}	126, 227, 45
Decimal	14920493
CIE _{Lab}	73.32, 9.61, 67.42
CIE _{LCh}	73, 68.100, 81.890
Yxy	45.6462, 0.4616, 0.4511
Android (android.graphics.Color)	4293110573 (0xFFE3AB2D)
YUV	173.3800, -63.2913, 47.0247
Hunter-Lab	67.5620, 5.1887, 39.5435

Details

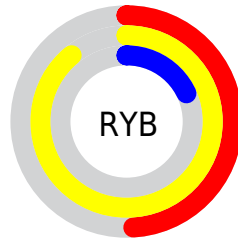
The XYZ color **46.7151, 45.6462, 8.8311** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **19.6009, 15.4110, 74.6139**, and the grayscale version is **40.2029, 42.2965, 46.0609**.

A 20% lighter version of the original color is **70.8346, 76.6120, 23.6246**, and **22.5332, 21.4091, 2.9448** is the 20% darker color. If you saturate the color by 10%, you get **45.1055, 42.9488, 6.6872**, and if you desaturate by 10%, it is **48.6311, 48.5814, 12.2358**.

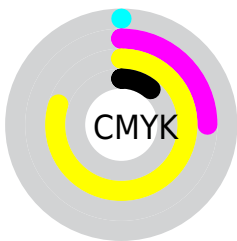
Distribution



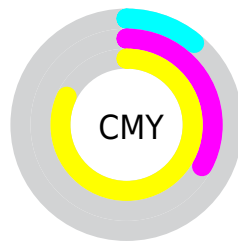
- Red (89%)
- Green (67%)
- Blue (18%)



- Red (49%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)
- Black (11%)



- Cyan (11%)
- Magenta (33%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7151, 45.6462, 8.8311 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 46.7151, 45.6462, 8.8311 by changing the saturation by 10% instead.

46.7151, 45.6462,
8.8311

46.7151, 45.6462,
8.8311

364.3441,
369.3844, 192.2843

33.0175, 31.9667,
4.5359

84.5095, 83.6893,
24.1449

22.2991, 21.3361,
1.9237

109.3371,
108.8216, 36.0005

14.1947, 13.3699,
0.5077

138.6053,
138.5404, 51.2133

8.3388, 7.6837,
0.0000

172.6795,
173.2300, 70.2018

4.3661, 3.8933,
0.0000

211.9252,
213.2748, 93.3847

1.9113, 1.6140,
0.0000

256.7076,

0.5834, 0.3670,

259.0592, 121.1803

0.0000

307.3921,
310.9676, 154.0074

■ 0.0000, 0.0000,
0.0000

■ 46.7151, 45.6462,
8.8311

■ 46.7151, 45.6462,
8.8311

■ 45.1055, 42.9488,
6.6872

■ 48.6311, 48.5814,
12.2358

■ 43.7623, 40.4988,
5.5105

■ 50.8846, 51.7630,
17.0728

■ 53.5053, 55.2062,
23.4896

■ 56.5184, 58.9229,
31.6143

■ 59.9469, 62.9238,
41.5620

■ 63.8114, 67.2185,
53.4375

■ 68.1312, 71.8165,
67.3378

■ 72.9245, 76.7263,
83.3533

■ 78.2081, 81.9562,
101.5688

Harmonies

Analogous

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



59.2027, 45.6462, 13.7780



46.7151, 45.6462, 8.8311



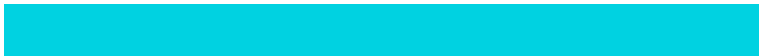
35.3552, 45.6462, 10.1895

Triad

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



46.7151, 45.6462, 8.8311



25.3364, 45.6462, 78.5604



64.1394, 45.6462, 102.5137

Complementary

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



46.7151, 45.6462, 8.8311



19.6009, 15.4110, 74.6139

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.



52.5477, 45.6462, 139.4259



46.7151, 45.6462, 8.8311



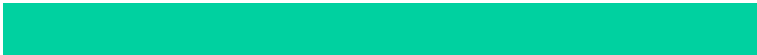
30.6706, 45.6462, 121.7297

Square

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



46.7151, 45.6462, 8.8311



24.3506, 45.6462, 40.9671



40.2177, 45.6462, 147.7301



70.4035, 45.6462, 59.5955

Rectangle

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



46.7151, 45.6462, 8.8311



29.7566, 45.6462, 15.0011



40.2177, 45.6462, 147.7301



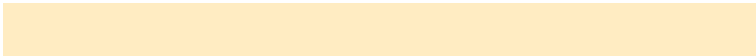
60.6456, 45.6462, 116.7201

Sweetspot

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



46.7161, 45.6485, 8.8320



80.9999, 85.2355, 63.1042



35.0468, 19.1799, 14.5915



16.9547, 17.8171, 12.3359



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.



46.7161, 45.6485, 8.8320



57.5534, 53.7975, 7.6435



50.0968, 66.5481, 12.6878



15.2078, 16.0296, 15.1969



25.6304, 23.8350, 3.2498



1.9754, 1.9241, 0.2673

Inverse Universe

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



19.6009, 15.4110, 74.6139



21.4669, 13.8643, 96.1524



17.9759, 9.0586, 73.4734



13.9427, 14.6068, 18.2289



9.4485, 5.9591, 43.0354



0.7783, 0.6005, 3.2069

Previews

White Background



This preview shows how the XYZ color 46.7151, 45.6462, 8.8311 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 46.7151, 45.6462, 8.8311 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 46.7151, 45.6462, 8.8311

Background



This preview shows how black text looks on a background with the XYZ color 46.7151, 45.6462, 8.8311.



This preview shows how white text looks on a background with the XYZ color 46.7151, 45.6462,

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

46.7151, 45.6462, 8.8311

Protanopia

41.3941, 45.8095, 9.3497

Deuteranopia

46.7151, 45.6462, 8.8311



Tritanopia

54.2781, 45.7823, 45.0058

Trichromacy



Original Color

46.7151, 45.6462, 8.8311

Protanomaly

43.0793, 45.4904, 9.0948

Deuteranomaly

46.7151, 45.6462, 8.8311

Tritanomaly

50.3201, 45.2131, 25.8135

Monochromacy



Original Color

46.7151, 45.6462, 8.8311

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.5107, 42.3489, 25.7777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7151, 45.6462, 8.8311 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, 171, 45)` looks like.

```
.text, #text, p{  
    color:rgb(227, 171, 45)  
}
```

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, 171, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 171, 45) }
```

Border

The CSS property to change the border of an element to XYZ 46.7151, 45.6462, 8.8311 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, 171, 45) }
```


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

```
.border{ border-color:rgb(227, 171, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 171, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 171, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 171, 45);  
box-shadow:4px 4px 4px 4px rgb(227, 171,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7151, 45.6462, 8.8311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 171, 45) }
```

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

```
.background{ background-color: rgb(227,  
171, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor