

# Converting Colors

XYZ(47.5600, 46.6665, 8.0910)

Have a look what the booklet for  
XYZ(47.5600, 46.6665, 8.0910)  
contains.

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# Color

**XYZ(47.5600, 46.6665,  
8.0910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5AD23
RGB	229, 173, 35
RGB Percent	90%, 68%, 14%
CMY	0.1020, 0.3215, 0.8627
CMYK	0.00, 0.24, 0.85, 0.10
HSL	43°, 79%, 52%
HSV	43°, 85%, 90%
XYZ	47.5600, 46.6665, 8.0910
YIQ	174.0120, 77.6740, -31.0460

# Conversions

## Conversions Part 2

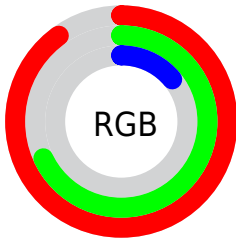
Format	Color
<a href="#">RYB</a>	<a href="#">114, 229, 35</a>
Decimal	<a href="#">15052067</a>
CIELab	<a href="#">73.98, 9.12, 71.05</a>
CIElCh	<a href="#">74, 71.631, 82.682</a>
Yxy	<a href="#">46.6665, 0.4648, 0.4561</a>
Android (android.graphics.Color)	<a href="#">4293242147 (0xFFE5AD23)</a>
YUV	<a href="#">174.0120, -68.5329, 48.2245</a>
Hunter-Lab	<a href="#">68.3129, 4.7256, 40.7967</a>

# Details

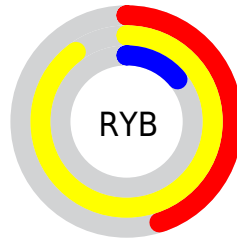
The XYZ color **47.5600, 46.6665, 8.0910** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **18.5771, 13.4966, 75.7540**, and the grayscale version is **40.5529, 42.6648, 46.4620**.

A 20% lighter version of the original color is **71.0490, 77.5730, 22.0549**, and **22.9858, 21.9996, 3.0349** is the 20% darker color. If you saturate the color by 10%, you get **46.0882, 44.1015, 6.4346**, and if you desaturate by 10%, it is **49.3180, 49.4501, 10.9361**.

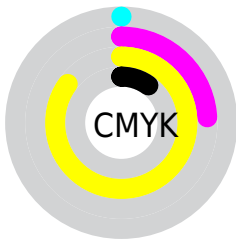
# Distribution



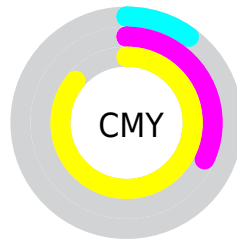
- Red (90%)
- Green (68%)
- Blue (14%)



- Red (45%)
- Yellow (90%)
- Blue (14%)



- Cyan (0%)
- Magenta (24%)
- Yellow (85%)
- Black (10%)




- Cyan (10%)
- Magenta (32%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5600, 46.6665, 8.0910 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 47.5600, 46.6665, 8.0910 by changing the saturation by 10% instead.





 47.5600, 46.6665,  
8.0910


 47.5600, 46.6665,  
8.0910

367.6571,  
373.4818, 186.4052

 33.6884, 32.7721,  
4.0646


 85.7626, 85.2156,  
22.6858


 22.8161, 21.9519,  
1.6609


 110.8243,  
110.6391, 34.0912


 14.5777, 13.8216,  
0.3337


 140.3467,  
140.6744, 48.7935

 8.6079, 7.9967,  
0.0000

 174.6952,  
175.7059, 67.2110

 4.5414, 4.0928,  
0.0000

 214.2351,  
216.1179, 89.7624

 2.0127, 1.7256,  
0.0000

 259.3318,

 0.6411, 0.4402,

262.2950, 116.8662

0.0000

310.3507,  
314.6215, 148.9410

■ 0.0000, 0.0000,  
0.0000

■ 47.5600, 46.6665,  
8.0910

■ 47.5600, 46.6665,  
8.0910

■ 46.0882, 44.1015,  
6.4346

■ 49.3180, 49.4501,  
10.9361

■ 45.3926, 42.8175,  
5.8722

■ 51.3973, 52.4620,  
15.1639

■ 53.8302, 55.7186,  
20.9363

■ 56.6439, 59.2319,  
28.3920

■ 59.8626, 63.0130,  
37.6539

■ 63.5082, 67.0719,  
48.8336

■ 67.6009, 71.4181,  
62.0336

■ 72.1595, 76.0602,  
77.3491

■ 77.2016, 81.0065,  
94.8691

# Harmonies

## Analogous

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



60.9853, 46.6665, 12.8745



47.5600, 46.6665, 8.0910



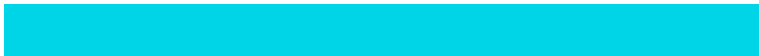
35.5369, 46.6665, 9.6078

# Triad

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



47.5600, 46.6665, 8.0910



25.3238, 46.6665, 83.0732



66.9122, 46.6665, 106.5427

# Complementary

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



47.5600, 46.6665, 8.0910



18.5771, 13.4966, 75.7540

# 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.



54.5232, 46.6665, 147.3518



47.5600, 46.6665, 8.0910



31.0616, 46.6665, 129.8605

# Square

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



47.5600, 46.6665, 8.0910



24.1714, 46.6665, 42.3629



41.2975, 46.6665, 157.4793



73.4702, 46.6665, 60.3156



# Rectangle

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



47.5600, 46.6665, 8.0910



29.6929, 46.6665, 14.6452



41.2975, 46.6665, 157.4793



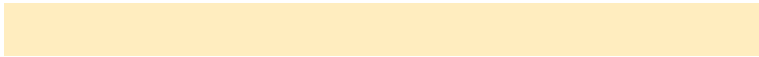
63.1897, 46.6665, 122.1064

# Sweetspot

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



47.5611, 46.6688, 8.0919



80.8399, 85.3694, 61.6518



34.8989, 18.6543, 12.1648



16.9393, 17.8730, 12.0634



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.



47.5611, 46.6688, 8.0919



57.8450, 54.4700, 7.4650



49.6079, 67.1325, 11.9339



15.2318, 16.0774, 15.2049



26.0617, 24.6975, 3.3935



2.0046, 1.9826, 0.2770



# Inverse Universe

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



18.5771, 13.4966, 75.7540



20.4723, 12.0645, 95.8574



17.5530, 8.3077, 74.8064



13.9200, 14.5614, 18.2213



9.2929, 5.6479, 42.9835



0.7644, 0.5728, 3.2022



# Previews

## White Background



This preview shows how the XYZ color 47.5600, 46.6665, 8.0910 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 47.5600, 46.6665, 8.0910 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 47.5600, 46.6665, 8.0910**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5600, 46.6665, 8.0910.



This preview shows how white text looks on a background with the XYZ color 47.5600, 46.6665,



# 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

47.5600, 46.6665, 8.0910

### Protanopia

42.4602, 46.9860, 8.6650

### Deuteranopia

47.8801, 46.8315, 8.1059



## Tritanopia

55.2127, 46.5114, 45.6027

# Trichromacy



## Original Color

47.5600, 46.6665, 8.0910

## Protanomaly

44.1856, 46.6699, 8.4296

## Deuteranomaly

47.8801, 46.8315, 8.1059

## Tritanomaly

50.9620, 45.8328, 24.8995

# Monochromacy



## Original Color

47.5600, 46.6665, 8.0910

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.9593, 43.1715, 24.9130

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5600, 46.6665, 8.0910 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, 173, 35)` looks like.

```
.text, #text, p{  
    color:rgb(229, 173, 35)  
}
```

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, 173, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 173, 35) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5600, 46.6665, 8.0910 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, 173, 35) }
```



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

```
.border{ border-color:rgb(229, 173, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 173, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 173, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 173, 35);  
box-shadow:4px 4px 4px 4px rgb(229, 173,  
35) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5600, 46.6665, 8.0910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 173, 35) }
```

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

```
.background{ background-color: rgb(229,  
173, 35) }
```

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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