

# Converting Colors

XYZ(46.2923, 34.8853, 6.7763)

Have a look what the booklet for  
XYZ(46.2923, 34.8853, 6.7763)  
contains.

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# Color

**XYZ(46.2923, 34.8853,  
6.7763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F77E2D
RGB	247, 126, 45
RGB Percent	97%, 49%, 18%
CMY	0.0314, 0.5059, 0.8235
CMYK	0.00, 0.49, 0.82, 0.03
HSL	24°, 93%, 57%
HSV	24°, 82%, 97%
XYZ	46.2923, 34.8853, 6.7763
YIQ	152.9450, 98.1170, 0.4610

# Conversions

## Conversions Part 2

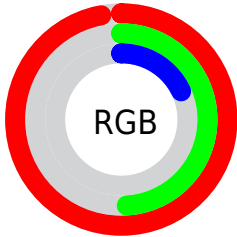
Format	Color
R <sub>Y</sub> B	247, 180, 45
Decimal	16219693
CIE Lab	65.66, 41.41, 61.53
CIE LCh	66, 74.172, 56.059
Yxy	34.8853, 0.5263, 0.3966
Android (android.graphics.Color)	4294409773 (0xFFFF77E2D)
YUV	152.9450, -53.2169, 82.4862
Hunter-Lab	59.0638, 36.5410, 34.5424

# Details

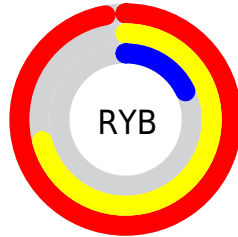
The XYZ color **46.2923, 34.8853, 6.7763** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **31.5059, 34.5437, 93.0022**, and the grayscale version is **30.4499, 32.0356, 34.8868**.

A 20% lighter version of the original color is **59.7659, 54.7844, 18.9797**, and **22.2159, 15.0879, 1.7413** is the 20% darker color. If you saturate the color by 10%, you get **44.1942, 31.2410, 4.3769**, and if you desaturate by 10%, it is **48.9494, 39.2040, 10.7325**.

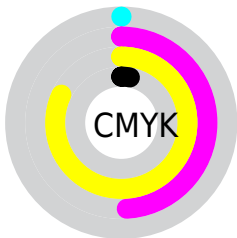
# Distribution



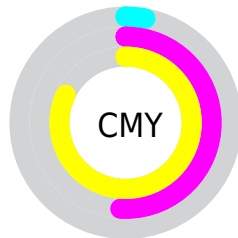
- Red (97%)
- Green (49%)
- Blue (18%)



- Red (97%)
- Yellow (71%)
- Blue (18%)



- Cyan (0%)
- Magenta (49%)
- Yellow (82%)
- Black (3%)




- Cyan (3%)
- Magenta (51%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2923, 34.8853, 6.7763 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 46.2923, 34.8853, 6.7763 by changing the saturation by 10% instead.





 46.2923, 34.8853,  
6.7763


 46.2923, 34.8853,  
6.7763


362.6788,  
324.0618, 175.3516


 32.6821, 23.5745,  
3.2463


 83.8815, 67.3080,  
20.0269


 22.0411, 15.0183,  
1.2217


 108.5912, 89.1888,  
30.5846


 14.0039, 8.8322,  
0.0000


 137.7315,  
115.3617, 44.3218

 8.2051, 4.6319,  
0.0000

 171.6677,  
146.2111, 61.6573

 4.2794, 2.0330,  
0.0000

 210.7652,  
182.1214, 83.0095

 1.8614, 0.6265,  
0.0000

 255.3893,

 0.5542, 0.0000,

223.4770, 108.7969

0.0000

305.9054,  
270.6623, 139.4380

■ 0.0000, 0.0000,  
0.0000

■ 46.2923, 34.8853,  
6.7763

■ 46.2923, 34.8853,  
6.7763

■ 44.1942, 31.2410,  
4.3769

■ 48.9494, 39.2040,  
10.7325


■ 42.8243, 28.7076,  
3.2840


■ 52.2170, 44.2314,  
16.4701


■ 56.1418, 50.0050,  
24.1780


■ 60.7645, 56.5577,  
34.0206

■ 66.1223, 63.9199,  
46.1445

 72.2492, 72.1203,  
60.6832

 79.1772, 81.1859,  
77.7601

 86.9360, 91.1427,  
97.4898

 92.1675, 98.5140,  
108.7651

# Harmonies

## Analogous

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



55.7780, 34.8853, 17.2446



46.2923, 34.8853, 6.7763



34.6192, 34.8853, 4.0560

# Triad

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



46.2923, 34.8853, 6.7763



16.3336, 34.8853, 34.0056



43.2445, 34.8853, 121.4641

# Complementary

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



46.2923, 34.8853, 6.7763



31.5059, 34.5437, 93.0022

# 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.



31.7374, 34.8853, 134.8669



46.2923, 34.8853, 6.7763



17.6665, 34.8853, 70.9303

# Square

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



46.2923, 34.8853, 6.7763



18.6304, 34.8853, 13.3581



22.7767, 34.8853, 112.7264



53.7649, 34.8853, 82.3292



# Rectangle

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



46.2923, 34.8853, 6.7763



27.6904, 34.8853, 4.5718



22.7767, 34.8853, 112.7264



39.3005, 34.8853, 129.8097

# Sweetspot

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



46.2931, 34.8872, 6.7769



75.4367, 74.5630, 59.8507



46.1974, 24.4116, 38.4500



15.6506, 15.2956, 11.6338



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.



46.2931, 34.8872, 6.7769



46.3517, 31.4387, 3.7717



66.2455, 74.7921, 13.4277



17.0445, 17.5732, 17.2912



22.7786, 15.4427, 1.7802



2.0998, 1.5528, 0.1890

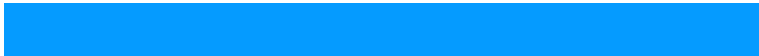


# Inverse Universe

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



31.5059, 34.5437, 93.0022



29.7994, 30.6240, 98.9482



19.7727, 11.0772, 89.0911



16.4067, 17.5778, 21.0707



14.6180, 15.0298, 48.6686



1.3852, 1.5219, 4.3110



# Previews

## White Background



This preview shows how the XYZ color 46.2923, 34.8853, 6.7763 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 46.2923, 34.8853, 6.7763 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 46.2923, 34.8853, 6.7763**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2923, 34.8853, 6.7763.



This preview shows how white text looks on a background with the XYZ color 46.2923, 34.8853,



# 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

46.2923, 34.8853, 6.7763

### Protanopia

31.8271, 34.9917, 8.5666

### Deuteranopia

35.6044, 34.9895, 6.3905



## Tritanopia

50.0280, 34.9725, 23.8523

# Trichromacy



## Original Color

46.2923, 34.8853, 6.7763

## Protanomaly

36.0893, 34.2562, 7.8420

## Deuteranomaly

39.0858, 34.6903, 6.4696

## Tritanomaly

48.4194, 34.8618, 15.4863

# Monochromacy



## Original Color

46.2923, 34.8853, 6.7763

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

33.3532, 31.4246, 20.2272

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2923, 34.8853, 6.7763 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(247, 126, 45)` looks like.

```
.text, #text, p{  
    color:rgb(247, 126, 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(247, 126, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 126, 45) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2923, 34.8853, 6.7763 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(247, 126, 45) }
```



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

```
.border{ border-color:rgb(247, 126, 45) }
```

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

Here you see how a box with a 4 pixel rgb(247, 126, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 126, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 126, 45);  
box-shadow:4px 4px 4px 4px rgb(247, 126,  
45) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2923, 34.8853, 6.7763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 126, 45) }
```

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

```
.background{ background-color: rgb(247,  
126, 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](#).

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