

# Converting Colors

XYZ(45.6985, 35.0918, 9.0675)

Have a look what the booklet for  
XYZ(45.6985, 35.0918, 9.0675)  
contains.

<b>XYZ(45.7096, 35.1141, 9.0712)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(45.7096, 35.1141,  
9.0712)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3813F
RGB	243, 129, 63
RGB Percent	95%, 51%, 25%
CMY	0.0471, 0.4941, 0.7529
CMYK	0.00, 0.47, 0.74, 0.05
HSL	22°, 88%, 60%
HSV	22°, 74%, 95%
XYZ	45.7096, 35.1141, 9.0712
YIQ	155.5620, 89.1300, 3.6420

# Conversions

## Conversions Part 2

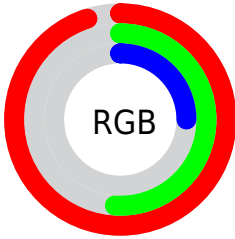
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	243, 167, 63
Decimal	15958335
CIE Lab	65.84, 38.99, 53.75
CIE LCh	66, 66.400, 54.044
Yxy	35.1141, 0.5085, 0.3906
Android (android.graphics.Color)	4294148415 (0xFFFF3813F)
YUV	155.5620, -45.6331, 76.6831
Hunter-Lab	59.2572, 33.9908, 32.4038

# Details

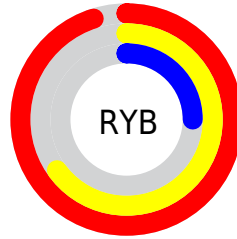
The XYZ color **45.7096, 35.1141, 9.0712** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **33.9485, 38.9697, 90.5260**, and the grayscale version is **31.5748, 33.2191, 36.1756**.

A 20% lighter version of the original color is **61.2107, 56.3419, 23.5685**, and **21.7538, 15.1490, 2.0072** is the 20% darker color. If you saturate the color by 10%, you get **43.2975, 31.1478, 5.6238**, and if you desaturate by 10%, it is **48.7280, 39.8145, 14.1984**.

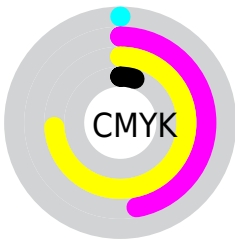
# Distribution



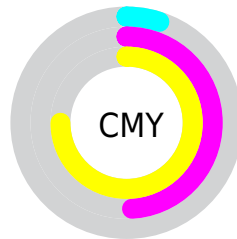
- Red (95%)
- Green (51%)
- Blue (25%)



- Red (95%)
- Yellow (65%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (74%)
- Black (5%)




- Cyan (5%)
- Magenta (49%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7096, 35.1141, 9.0712 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 45.7096, 35.1141, 9.0712 by changing the saturation by 10% instead.





 45.7096, 35.1141,  
9.0712


 45.7096, 35.1141,  
9.0712

360.3754,  
325.0717, 194.1457


 32.2204, 23.7508,  
4.6902


 83.0147, 67.6625,  
24.6131

 21.6862, 15.1489,  
2.0111


 107.5614, 89.6163,  
36.6111


 13.7418, 8.9239,  
0.5621


 136.5245,  
115.8692, 51.9852

 8.0218, 4.6916,  
0.0000

 170.2696,  
146.8054, 71.1539

 4.1608, 2.0675,  
0.0000

 209.1618,  
182.8093, 94.5358

 1.7935, 0.6462,  
0.0000

253.5666,

 0.5138, 0.0000,

224.2654, 122.5493

0.0000

303.8494,  
271.5581, 155.6131

■ 0.0000, 0.0000,  
0.0000

■ 45.7096, 35.1141,  
9.0712

■ 45.7096, 35.1141,  
9.0712

■ 43.2975, 31.1478,  
5.6238

■ 48.7280, 39.8145,  
14.1984

■ 41.4331, 27.8657,  
3.6248


■ 52.3981, 45.2830,  
21.1921


■ 40.5433, 26.2174,  
2.9236


■ 56.7629, 51.5574,  
30.2159


■ 61.8605, 58.6714,  
41.4147

■ 67.7263, 66.6563,  
54.9201

 74.3928, 75.5419,  
70.8531

 81.8908, 85.3563,  
89.3263

 89.8600, 95.9709,  
108.3958

 90.7719, 97.7945,  
108.6998

# Harmonies

## Analogous

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



53.7152, 35.1141, 20.1885



45.7096, 35.1141, 9.0712



35.3691, 35.1141, 5.7550

# Triad

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



45.7096, 35.1141, 9.0712



17.9200, 35.1141, 32.9011



41.6578, 35.1141, 111.7463

# Complementary

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



45.7096, 35.1141, 9.0712



33.9485, 38.9697, 90.5260

# 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.



31.4571, 35.1141, 120.9668



45.7096, 35.1141, 9.0712



18.9522, 35.1141, 64.7113

# Square

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



45.7096, 35.1141, 9.0712



20.3253, 35.1141, 14.4906



23.4865, 35.1141, 100.6827



51.0737, 35.1141, 79.4910



# Rectangle

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



45.7096, 35.1141, 9.0712



29.0072, 35.1141, 6.1373



23.4865, 35.1141, 100.6827



38.1605, 35.1141, 118.1402

# Sweetspot

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



45.7104, 35.1160, 9.0718



76.9920, 76.2886, 64.6392



46.6753, 25.7841, 44.1119



16.0695, 15.7777, 12.8706



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.



45.7104, 35.1160, 9.0718



47.1645, 32.7727, 4.9417



63.1905, 70.0763, 14.8985



16.9967, 17.4776, 17.2752



22.3692, 14.6239, 1.6437



2.0605, 1.4743, 0.1760



# Inverse Universe

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



33.9485, 38.9697, 90.5260



33.2403, 36.8877, 99.9758



21.6359, 14.3445, 86.4218



16.4561, 17.6764, 21.0871



15.3442, 16.4821, 48.9107



1.4464, 1.6442, 4.3314



# Previews

## White Background



This preview shows how the XYZ color 45.7096, 35.1141, 9.0712 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 45.7096, 35.1141, 9.0712 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 45.7096, 35.1141, 9.0712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7096, 35.1141, 9.0712.



This preview shows how white text looks on a background with the XYZ color 45.7096, 35.1141,



# 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

45.7096, 35.1141, 9.0712

### Protanopia

32.2747, 35.4226, 11.2671

### Deuteranopia

35.7862, 35.0312, 8.7465



## Tritanopia

48.9948, 35.1236, 25.3163

# Trichromacy



## Original Color

45.7096, 35.1141, 9.0712

## Protanomaly

36.1787, 34.4811, 10.3789

## Deuteranomaly

39.0816, 34.8612, 8.8067

## Tritanomaly

47.5913, 35.1203, 17.9062

# Monochromacy



## Original Color

45.7096, 35.1141, 9.0712

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

34.5308, 32.6543, 22.8953

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7096, 35.1141, 9.0712 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(243, 129, 63)` looks like.

```
.text, #text, p{  
    color:rgb(243, 129, 63)  
}
```

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(243, 129, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 129, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7096, 35.1141, 9.0712 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(243, 129, 63) }
```



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

```
.border{ border-color:rgb(243, 129, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 129, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 129, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 129, 63);  
box-shadow:4px 4px 4px 4px rgb(243, 129,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7096, 35.1141, 9.0712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 129, 63) }
```

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

```
.background{ background-color: rgb(243,  
129, 63) }
```

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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