

# Converting Colors

XYZ(40.5155, 25.5485, 4.8034)

Have a look what the booklet for  
XYZ(40.5155, 25.5485, 4.8034)  
contains.

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# Color

**XYZ(40.5155, 25.5485,  
4.8034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F35428
RGB	243, 84, 40
RGB Percent	95%, 33%, 16%
CMY	0.0471, 0.6705, 0.8431
CMYK	0.00, 0.65, 0.84, 0.05
HSL	13°, 89%, 55%
HSV	13°, 84%, 95%
XYZ	40.5155, 25.5485, 4.8034
YIQ	126.5250, 108.8880, 20.0240

# Conversions

## Conversions Part 2

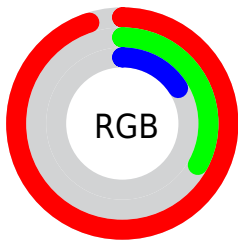
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 96, 40
Decimal	15946792
CIE <sub>Lab</sub>	57.61, 59.03, 56.24
CIE <sub>LCh</sub>	58, 81.531, 43.613
Yxy	25.5485, 0.5717, 0.3605
Android (android.graphics.Color)	4294136872 (0xFFFF35428)
YUV	126.5250, -42.6568, 102.1486
Hunter-Lab	50.5455, 54.6246, 29.7475

# Details

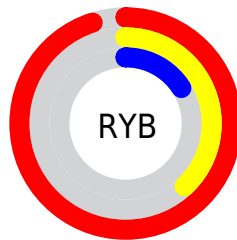
The XYZ color **40.5155, 25.5485, 4.8034** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **37.4739, 47.7646, 92.0379**, and the grayscale version is **20.1265, 21.1747, 23.0592**.

A 20% lighter version of the original color is **52.4635, 40.7544, 14.7741**, and **18.5605, 9.8659, 0.9261** is the 20% darker color. If you saturate the color by 10%, you get **38.9423, 22.8692, 2.8403**, and if you desaturate by 10%, it is **42.7504, 29.1370, 8.2664**.

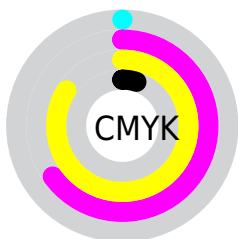
# Distribution



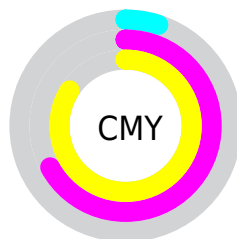
- Red (95%)
- Green (33%)
- Blue (16%)



- Red (95%)
- Yellow (38%)
- Blue (16%)



- Cyan (0%)
- Magenta (65%)
- Yellow (84%)
- Black (5%)




- Cyan (5%)
- Magenta (67%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5155, 25.5485, 4.8034 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 40.5155, 25.5485, 4.8034 by changing the saturation by 10% instead.




 40.5155, 25.5485,  
4.8034


 40.5155, 25.5485,  
4.8034


339.3888,  
280.5586, 156.7755


 28.1267, 16.4862,  
2.0757


 75.2272, 52.5457,  
15.8239


 18.5621, 9.8688,  
0.6012


 98.2809, 71.2493,  
24.9538


 11.4564, 5.3121,  
0.0000


 125.6201, 93.9355,  
37.0548

 6.4443, 2.4315,  
0.0000

 157.6104,  
120.9886, 52.5454

 3.1603, 0.8420,  
0.0000

 194.6171,  
152.7931, 71.8443

 1.2391, 0.0000,  
0.0000

 237.0055,

 0.1369, 0.0000,

189.7333, 95.3699

0.0000

285.1409,  
232.1937, 123.5408

■ 0.0000, 0.0000,  
0.0000

■ 40.5155, 25.5485,  
4.8034

■ 40.5155, 25.5485,  
4.8034

■ 38.9423, 22.8692,  
2.8403

■ 42.7504, 29.1370,  
8.2664


■ 38.2205, 21.5718,  
2.1493


■ 45.7170, 33.7063,  
13.4600


■ 49.4774, 39.3255,  
20.5764


■ 54.0864, 46.0558,  
29.7815

■ 59.5933, 53.9536,  
41.2234

 66.0438, 63.0715,  
55.0365

 73.4803, 73.4586,  
71.3447

 81.9426, 85.1617,  
90.2631

 90.7719, 97.7946,  
108.6998

# Harmonies

## Analogous

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



47.4006, 25.5485, 17.0112



40.5155, 25.5485, 4.8034



29.9569, 25.5485, 1.5709

# Triad

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



40.5155, 25.5485, 4.8034



10.3869, 25.5485, 15.2677



28.9610, 25.5485, 119.2351

# Complementary

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



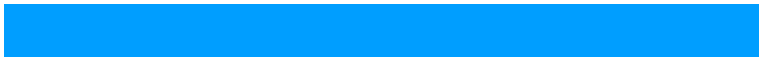
40.5155, 25.5485, 4.8034



37.4739, 47.7646, 92.0379

# 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.



19.3751, 25.5485, 117.4709



40.5155, 25.5485, 4.8034



10.2543, 25.5485, 42.4407

# Square

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



40.5155, 25.5485, 4.8034



13.5237, 25.5485, 4.2563



13.0944, 25.5485, 83.6097



39.6204, 25.5485, 87.4916



# Rectangle

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



40.5155, 25.5485, 4.8034



23.1225, 25.5485, 1.2853



13.0944, 25.5485, 83.6097



25.4819, 25.5485, 122.9663

# Sweetspot

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



40.5161, 25.5500, 4.8038



72.5197, 68.7291, 58.8784



48.0315, 24.6965, 56.2782



14.9657, 13.9260, 11.4055



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.



40.5161, 25.5500, 4.8038



42.6197, 24.0193, 2.3899



54.7952, 54.1082, 9.5635



16.7903, 17.0648, 17.2065



21.0570, 11.9996, 1.2063



1.9233, 1.1998, 0.1302

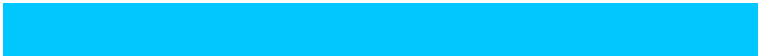


# Inverse Universe

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



37.4739, 47.7646, 92.0379



38.6389, 48.3978, 101.9130



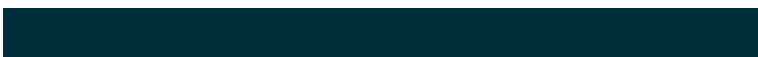
21.3753, 15.5675, 86.6717



16.6740, 18.1124, 21.1598



19.1260, 24.0458, 50.1713



1.7548, 2.2611, 4.4342



# Previews

## White Background



This preview shows how the XYZ color 40.5155, 25.5485, 4.8034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5155, 25.5485, 4.8034 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.5155, 25.5485, 4.8034**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.5155, 25.5485, 4.8034.



This preview shows how white text looks on a background with the XYZ color 40.5155, 25.5485,



# 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

40.5155, 25.5485, 4.8034

### Protanopia

23.4160, 25.7001, 7.2165

### Deuteranopia

26.0567, 25.6670, 4.2427



## Tritanopia

41.7044, 25.4652, 11.1047

# Trichromacy



## Original Color

40.5155, 25.5485, 4.8034

## Protanomaly

27.6447, 23.9802, 6.0773

## Deuteranomaly

30.1480, 24.6200, 4.2001

## Tritanomaly

41.2940, 25.5353, 8.2212

# Monochromacy



## Original Color

40.5155, 25.5485, 4.8034

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

24.1122, 20.6301, 13.5376

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5155, 25.5485, 4.8034 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, 84, 40)` looks like.

```
.text, #text, p{  
    color:rgb(243, 84, 40)  
}
```

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, 84, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 84, 40) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5155, 25.5485, 4.8034 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, 84, 40) }
```



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

```
.border{ border-color:rgb(243, 84, 40) }
```

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

Here you see how a box with a 4 pixel rgb(243, 84, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 84, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 84, 40);  
box-shadow:4px 4px 4px 4px rgb(243, 84,  
40) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5155, 25.5485, 4.8034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 84, 40) }
```

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

```
.background{ background-color: rgb(243, 84,  
40) }
```

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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