

Converting Colors

XYZ(44.3635, 33.3480, 5.7677)

Have a look what the booklet for
XYZ(44.3635, 33.3480, 5.7677)
contains.

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Color

**XYZ(44.3635, 33.3480,
5.7677)**

Conversions

Conversions Part 1

Format	Color
Hex	F37B24
RGB	243, 123, 36
RGB Percent	95%, 48%, 14%
CMY	0.0471, 0.5176, 0.8588
CMYK	0.00, 0.49, 0.85, 0.05
HSL	25°, 90%, 55%
HSV	25°, 85%, 95%
XYZ	44.3635, 33.3480, 5.7677
YIQ	148.9620, 99.4470, -1.6170

Conversions

Conversions Part 2

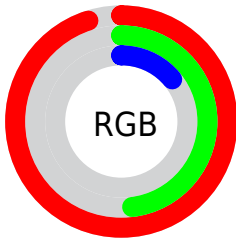
Format	Color
R _Y B	243, 186, 36
Decimal	15956772
CIE Lab	64.44, 41.12, 63.58
CIE LCh	64, 75.719, 57.107
Yxy	33.3480, 0.5314, 0.3995
Android (android.graphics.Color)	4294146852 (0xFFFF37B24)
YUV	148.9620, -55.6903, 82.4713
Hunter-Lab	57.7477, 36.0704, 34.5017

Details

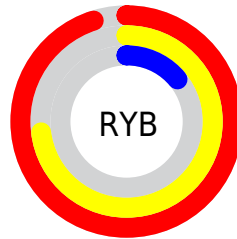
The XYZ color **44.3635, 33.3480, 5.7677** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **28.7927, 30.6213, 89.1861**, and the grayscale version is **28.7499, 30.2471, 32.9391**.

A 20% lighter version of the original color is **58.8076, 53.4425, 16.8888**, and **21.0756, 14.2098, 1.6320** is the 20% darker color. If you saturate the color by 10%, you get **42.4867, 30.0010, 3.8899**, and if you desaturate by 10%, it is **46.7445, 37.3021, 9.0535**.

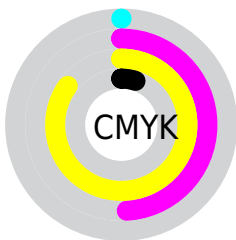
Distribution



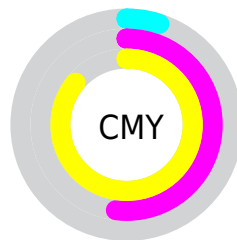
- Red (95%)
- Green (48%)
- Blue (14%)



- Red (95%)
- Yellow (73%)
- Blue (14%)



- Cyan (0%)
- Magenta (49%)
- Yellow (85%)
- Black (5%)



- Cyan (5%)
- Magenta (52%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3635, 33.3480, 5.7677 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 44.3635, 33.3480, 5.7677 by changing the saturation by 10% instead.

44.3635, 33.3480,
5.7677

44.3635, 33.3480,
5.7677

355.0168,
317.2149, 166.2131

31.1555, 22.3932,
2.6379

81.0074, 64.9185,
17.9161

20.8697, 14.1461,
0.9119

105.1740, 86.3029,
27.7717

13.1407, 8.2223,
0.0000

133.7243,
111.9326, 40.7063

7.6032, 4.2375,
0.0000

167.0234,
142.1921, 57.1384

3.8918, 1.8073,
0.0000

205.4369,
177.4656, 77.4866

1.6411, 0.4917,
0.0000

249.3301,

0.4190, 0.0000,

218.1377, 102.1694

0.0000

299.0682,
264.5927, 131.6054

■ 0.0000, 0.0000,
0.0000

■ 44.3635, 33.3480,
5.7677

■ 44.3635, 33.3480,
5.7677

■ 42.4867, 30.0010,
3.8899

■ 46.7445, 37.3021,
9.0535

■ 41.7267, 28.5843,
3.3181

■ 49.6814, 41.8954,
13.9801

■ 53.2202, 47.1631,
20.7391

■ 57.4004, 53.1353,
29.4948

■ 62.2578, 59.8403,
40.3930

67.8252, 67.3042,
53.5656

74.1330, 75.5519,
69.1339

81.2097, 84.6071,
87.2105

89.0823, 94.4921,
107.9007

Harmonies

Analogous

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



54.0067, 33.3480, 15.3941



44.3635, 33.3480, 5.7677



32.7558, 33.3480, 3.4146

Triad

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



44.3635, 33.3480, 5.7677



15.1517, 33.3480, 33.3911



42.1310, 33.3480, 119.1423

Complementary

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



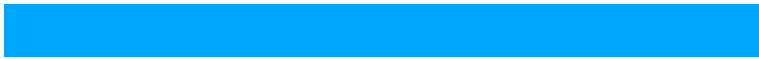
44.3635, 33.3480, 5.7677



28.7927, 30.6213, 89.1861

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.



30.6599, 33.3480, 133.9761



44.3635, 33.3480, 5.7677



16.5723, 33.3480, 70.7088

Square

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



44.3635, 33.3480, 5.7677



17.2617, 33.3480, 12.6430



21.7038, 33.3480, 112.6376



52.5255, 33.3480, 79.1285

Rectangle

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



44.3635, 33.3480, 5.7677



25.9718, 33.3480, 3.9708



21.7038, 33.3480, 112.6376



38.2055, 33.3480, 127.9663

Sweetspot

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



44.3642, 33.3498, 5.7683



75.0942, 74.3240, 58.3616



43.6573, 22.7423, 33.8756



15.5972, 15.2741, 11.3532



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.



44.3642, 33.3498, 5.7683



46.5167, 31.8133, 3.6889



64.4085, 73.4384, 12.4497



17.0715, 17.6272, 17.3002



23.0278, 15.9412, 1.8633



2.1232, 1.5996, 0.1969

Inverse Universe

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



28.7927, 30.6213, 89.1861



28.6114, 28.3428, 98.5705



18.1899, 9.4155, 85.6518



16.3791, 17.5225, 21.0615



14.2317, 14.2571, 48.5398



1.3523, 1.4561, 4.3000

Previews

White Background



This preview shows how the XYZ color 44.3635, 33.3480, 5.7677 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 44.3635, 33.3480, 5.7677 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 44.3635, 33.3480, 5.7677

Background



This preview shows how black text looks on a background with the XYZ color 44.3635, 33.3480, 5.7677.



This preview shows how white text looks on a background with the XYZ color 44.3635, 33.3480,

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

44.3635, 33.3480, 5.7677

Protanopia

30.4351, 33.5335, 7.3511

Deuteranopia

34.1715, 33.5548, 5.3852



Tritanopia

48.0637, 33.4657, 22.6652

Trichromacy



Original Color

44.3635, 33.3480, 5.7677

Protanomaly

34.3627, 32.6973, 6.6906

Deuteranomaly

37.2961, 33.1269, 5.4057

Tritanomaly

46.3728, 33.3050, 13.8819

Monochromacy



Original Color

44.3635, 33.3480, 5.7677

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.6133, 29.9062, 18.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3635, 33.3480, 5.7677 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, 123, 36)` looks like.

```
.text, #text, p{  
    color:rgb(243, 123, 36)  
}
```

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, 123, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 123, 36) }
```

Border

The CSS property to change the border of an element to XYZ 44.3635, 33.3480, 5.7677 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, 123, 36) }
```


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

```
.border{ border-color:rgb(243, 123, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 123, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 123, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 123, 36);  
box-shadow:4px 4px 4px 4px rgb(243, 123,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3635, 33.3480, 5.7677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 123, 36) }
```

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

```
.background{ background-color: rgb(243,  
123, 36) }
```

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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