

Converting Colors

XYZ(46.4428, 33.7139, 13.0765)

Have a look what the booklet for
XYZ(46.4428, 33.7139, 13.0765)
contains.

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Color

**XYZ(46.4428, 33.7139,
13.0765)**

Conversions

Conversions Part 1

Format	Color
Hex	F67857
RGB	246, 120, 87
RGB Percent	96%, 47%, 34%
CMY	0.0353, 0.5294, 0.6588
CMYK	0.00, 0.51, 0.65, 0.04
HSL	12°, 90%, 65%
HSV	12°, 65%, 96%
XYZ	46.4428, 33.7139, 13.0765
YIQ	153.9120, 85.6890, 16.4490

Conversions

Conversions Part 2

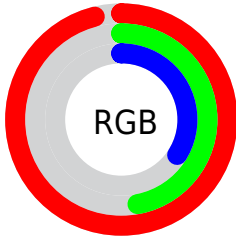
Format	Color
R_{YB}	246, 129, 87
Decimal	16152663
CIE Lab	64.73, 45.82, 40.52
CIE LCh	65, 61.172, 41.487
Yxy	33.7139, 0.4981, 0.3616
Android (android.graphics.Color)	4294342743 (0xFFFF67857)
YUV	153.9120, -32.9876, 80.7612
Hunter-Lab	58.0637, 41.1636, 27.2919

Details

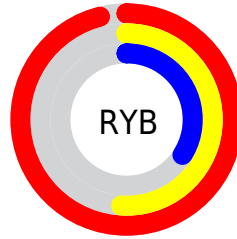
The XYZ color **46.4428, 33.7139, 13.0765** is a light color, and the websafe version is hex **CC6633**. The color can be described as light muted orange. A complement of this color would be **44.3575, 56.2650, 95.7105**, and the grayscale version is **30.7915, 32.3950, 35.2782**.

A 20% lighter version of the original color is **61.1574, 53.7549, 31.1971**, and **22.1573, 14.3579, 3.6110** is the 20% darker color. If you saturate the color by 10%, you get **43.4931, 29.1583, 7.9512**, and if you desaturate by 10%, it is **50.2136, 39.3644, 20.1647**.

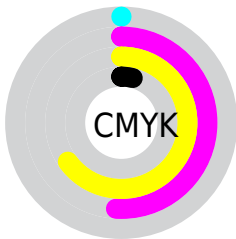
Distribution



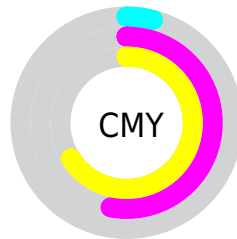
- Red (96%)
- Green (47%)
- Blue (34%)



- Red (96%)
- Yellow (51%)
- Blue (34%)



- Cyan (0%)
- Magenta (51%)
- Yellow (65%)
- Black (4%)





- Cyan (4%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4428, 33.7139, 13.0765 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 46.4428, 33.7139, 13.0765 by changing the saturation by 10% instead.


 46.4428, 33.7139,
13.0765


 46.4428, 33.7139,
13.0765

363.2722,
318.8545, 222.6324

 32.8015, 22.6739,
7.3499


 84.1051, 65.4885,
32.1344

 22.1329, 14.3529,
3.6001


 108.8568, 86.9919,
46.3027


 14.0717, 8.3665,
1.4086


 138.0427,
112.7519, 64.1220

 8.2526, 4.3304,
0.1484

 172.0281,
143.1529, 86.0109

 4.3102, 1.8600,
0.0000

 211.1784,
178.5792, 112.3878

 1.8791, 0.5242,
0.0000

255.8589,

 0.5646, 0.0000,

219.4153, 143.6713

0.0000

306.4351,
266.0456, 180.2800

■ 0.0000, 0.0000,
0.0000

■ 46.4428, 33.7139,
13.0765

■ 46.4428, 33.7139,
13.0765

■ 43.4931, 29.1583,
7.9512

■ 50.2136, 39.3644,
20.1647

■ 41.2965, 25.6194,
4.5855

■ 54.8612, 46.1704,
29.3879


■ 39.7768, 23.0165,
2.7338


■ 60.4389, 54.1941,
40.9014

■ 39.1926, 21.9662,
2.1742

■ 66.9949, 63.4919,
54.8455

■ 74.5740, 74.1164,
71.3489

 83.2183, 86.1172,
90.5316

 91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



51.6204, 33.7139, 27.8898



46.4428, 33.7139, 13.0765



37.7147, 33.7139, 7.2847

Triad

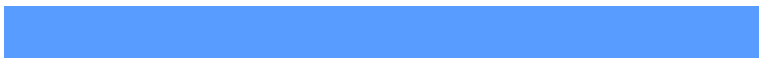
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.4428, 33.7139, 13.0765



18.5427, 33.7139, 23.3865



35.5284, 33.7139, 107.4913

Complementary

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



46.4428, 33.7139, 13.0765



44.3575, 56.2650, 95.7105

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.



26.9724, 33.7139, 104.3799



46.4428, 33.7139, 13.0765



18.1730, 33.7139, 47.2145

Square

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



46.4428, 33.7139, 13.0765



22.1027, 33.7139, 11.0802



20.9791, 33.7139, 79.0072



44.5925, 33.7139, 86.2065

Rectangle

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



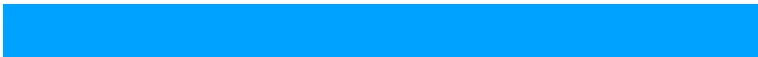
46.4428, 33.7139, 13.0765



31.6076, 33.7139, 6.4705



20.9791, 33.7139, 79.0072



32.4845, 33.7139, 109.4538

Sweetspot

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



46.4436, 33.7157, 13.0771



77.1594, 75.1668, 69.1853



53.5772, 31.2746, 66.9649



16.0167, 15.3892, 13.7249



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.



46.4436, 33.7157, 13.0771



46.2671, 30.1681, 7.1387



59.9889, 60.8063, 17.5922



16.7778, 17.0397, 17.2023



21.0000, 11.8856, 1.1873



1.9166, 1.1864, 0.1280

Inverse Universe

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



44.3575, 56.2650, 95.7105



43.6598, 56.0102, 103.1177



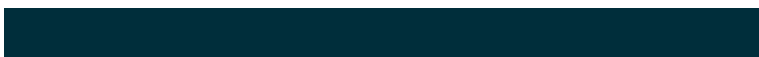
29.1874, 25.9247, 90.6538



16.6876, 18.1394, 21.1643



19.3916, 24.5770, 50.2598



1.7760, 2.3034, 4.4412

Previews

White Background



This preview shows how the XYZ color 46.4428, 33.7139, 13.0765 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 46.4428, 33.7139, 13.0765 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 46.4428, 33.7139, 13.0765

Background



This preview shows how black text looks on a background with the XYZ color 46.4428, 33.7139, 13.0765.



This preview shows how white text looks on a background with the XYZ color 46.4428, 33.7139,

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

46.4428, 33.7139, 13.0765

Protanopia

31.2005, 33.7115, 17.1744

Deuteranopia

34.3839, 33.7442, 12.4856



Tritanopia

48.4173, 33.6480, 22.6817

Trichromacy



Original Color

46.4428, 33.7139, 13.0765

Protanomaly

35.3733, 32.7968, 15.5324

Deuteranomaly

37.9453, 33.0868, 12.5701

Tritanomaly

47.5335, 33.6225, 18.7364

Monochromacy



Original Color

46.4428, 33.7139, 13.0765

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.1958, 31.5225, 25.4012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4428, 33.7139, 13.0765 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(246, 120, 87)` looks like.

```
.text, #text, p{  
    color:rgb(246, 120, 87)  
}
```

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(246, 120, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 120, 87) }
```

Border

The CSS property to change the border of an element to XYZ 46.4428, 33.7139, 13.0765 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(246, 120, 87) }
```


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

```
.border{ border-color:rgb(246, 120, 87) }
```

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

Here you see how a box with a 4 pixel rgb(246, 120, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 120, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 120, 87);  
box-shadow:4px 4px 4px 4px rgb(246, 120,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4428, 33.7139, 13.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 120, 87) }
```

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

```
.background{ background-color: rgb(246,  
120, 87) }
```

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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