

Converting Colors

XYZ(48.2137, 33.7221, 8.8346)

Have a look what the booklet for
XYZ(48.2137, 33.7221, 8.8346)
contains.

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Color

**XYZ(48.1827, 33.6648,
8.8089)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7240
RGB	255, 114, 64
RGB Percent	100%, 45%, 25%
CMY	0.0000, 0.5529, 0.7490
CMYK	0.00, 0.55, 0.75, 0.00
HSL	16°, 100%, 63%
HSV	16°, 75%, 100%
XYZ	48.1827, 33.6648, 8.8089
YIQ	150.4590, 100.0860, 14.3420

Conversions

Conversions Part 2

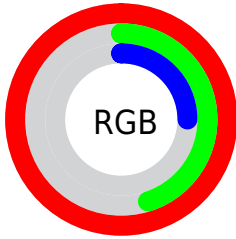
Format	Color
R _Y B	255, 132, 64
Decimal	16740928
CIE Lab	64.70, 50.85, 52.63
CIE LCh	65, 73.183, 45.985
Yxy	33.6648, 0.5315, 0.3713
Android (android.graphics.Color)	4294931008 (0xFFFF7240)
YUV	150.4590, -42.6243, 91.6825
Hunter-Lab	58.0214, 46.6944, 31.6135

Details

The XYZ color **48.1827, 33.6648, 8.8089** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.9936, 51.9685, 102.4246**, and the grayscale version is **29.3318, 30.8593, 33.6058**.

A 20% lighter version of the original color is **58.4652, 50.8508, 22.6533**, and **23.1744, 14.3371, 1.9267** is the 20% darker color. If you saturate the color by 10%, you get **45.7066, 29.6209, 5.1848**, and if you desaturate by 10%, it is **51.4286, 38.7188, 14.3248**.

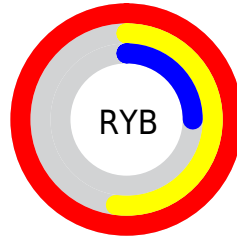
Distribution



Red (100%)

Green (45%)

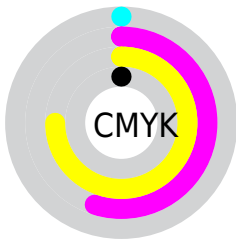
Blue (25%)



Red (100%)

Yellow (52%)

Blue (25%)

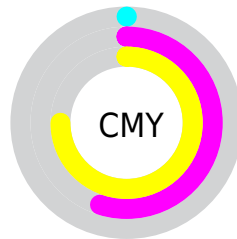


Cyan (0%)

Magenta (55%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1827, 33.6648, 8.8089 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 48.1827, 33.6648, 8.8089 by changing the saturation by 10% instead.


 48.1827, 33.6648,
8.8089


 48.1827, 33.6648,
8.8089

370.0864,
318.6348, 192.1111


 34.1834, 22.6362,
4.5216


 86.6844, 65.4121,
24.1014


 23.1981, 14.3251,
1.9157


 111.9176, 86.8995,
35.9438


 14.8614, 8.3471,
0.5027


 141.6261,
112.6421, 51.1416

 8.8078, 4.3179,
0.0000

 176.1753,
143.0241, 70.1134

 4.6722, 1.8529,
0.0000

 215.9306,
178.4300, 93.2777

 2.0890, 0.5198,
0.0000

261.2573,

 0.6832, 0.0000,

219.2441, 121.0530

0.0000

312.5208,
265.8509, 153.8580

■ 0.0000, 0.0000,
0.0000

■ 48.1827, 33.6648,
8.8089

■ 48.1827, 33.6648,
8.8089

■ 45.7066, 29.6209,
5.1848

■ 51.4286, 38.7188,
14.3248

■ 43.9218, 26.5078,
3.1824

■ 55.5067, 44.8426,
21.9500

■ 43.2329, 25.2462,
2.5944

■ 60.4751, 52.0976,
31.8736

■ 66.3855, 60.5386,
44.2631

■ 73.2855, 70.2168,
59.2704

81.2195, 81.1803,
77.0349

90.2288, 93.4744,
97.6861

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



55.6052, 33.6648, 22.9222



48.1827, 33.6648, 8.8089



37.1420, 33.6648, 4.3034

Triad

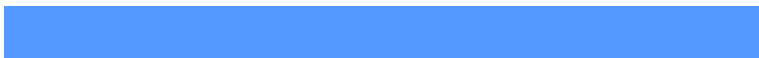
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.1827, 33.6648, 8.8089



16.1298, 33.6648, 24.3560



37.8878, 33.6648, 125.1180

Complementary

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



48.1827, 33.6648, 8.8089



41.9936, 51.9685, 102.4246

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.



27.3512, 33.6648, 126.2887



48.1827, 33.6648, 8.8089



16.2439, 33.6648, 55.0031

Square

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



48.1827, 33.6648, 8.8089



19.5596, 33.6648, 9.3638



19.9154, 33.6648, 95.9728



48.8307, 33.6648, 93.3258

Rectangle

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



48.1827, 33.6648, 8.8089



29.9373, 33.6648, 3.9749



19.9154, 33.6648, 95.9728



34.1499, 33.6648, 129.5243

Sweetspot

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



48.1835, 33.6667, 8.8095



75.4797, 73.2639, 64.1351



54.3662, 29.4440, 62.0095



15.7164, 15.0713, 12.7529



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.



48.1835, 33.6667, 8.8095



44.7159, 27.9224, 3.9810



64.5385, 66.3767, 14.2611



18.3960, 18.7602, 18.7958



22.6925, 13.3963, 1.3897



2.2938, 1.4730, 0.1634

Inverse Universe

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



41.9936, 51.9685, 102.4246



37.9586, 46.4237, 101.5678



25.9310, 19.8434, 97.0704



18.1288, 19.6292, 23.0833



18.9824, 22.8744, 52.8493



1.9372, 2.4051, 5.1754

Previews

White Background



This preview shows how the XYZ color 48.1827, 33.6648, 8.8089 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 48.1827, 33.6648, 8.8089 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 48.1827, 33.6648, 8.8089

Background



This preview shows how black text looks on a background with the XYZ color 48.1827, 33.6648, 8.8089.



This preview shows how white text looks on a background with the XYZ color 48.1827, 33.6648,

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

48.1827, 33.6648, 8.8089

Protanopia

30.8521, 33.6484, 11.8899

Deuteranopia

34.4630, 33.6410, 8.2914



Tritanopia

50.0268, 33.6962, 20.6969

Trichromacy



Original Color

48.1827, 33.6648, 8.8089

Protanomaly

35.3232, 32.2141, 10.4871

Deuteranomaly

38.4813, 32.8192, 8.3095

Tritanomaly

49.1290, 33.5107, 15.4341

Monochromacy



Original Color

48.1827, 33.6648, 8.8089

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.0145, 29.9146, 21.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1827, 33.6648, 8.8089 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(255, 114, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 64)  
}
```

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(255, 114, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 64) }
```

Border

The CSS property to change the border of an element to XYZ 48.1827, 33.6648, 8.8089 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(255, 114, 64) }
```


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

```
.border{ border-color:rgb(255, 114, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1827, 33.6648, 8.8089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 64) }
```

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

```
.background{ background-color: rgb(255,  
114, 64) }
```

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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