

Converting Colors

XYZ(77.7037, 47.8683, 12.8921)

Have a look what the booklet for
XYZ(77.7037, 47.8683, 12.8921)
contains.

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Color

**XYZ(48.0878, 32.5792,
11.5385)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6C51
RGB	255, 108, 81
RGB Percent	100%, 42%, 32%
CMY	0.0000, 0.5764, 0.6823
CMYK	0.00, 0.58, 0.68, 0.00
HSL	9°, 100%, 66%
HSV	9°, 68%, 100%
XYZ	48.0878, 32.5792, 11.5385
YIQ	148.8750, 96.2790, 22.7670

Conversions

Conversions Part 2

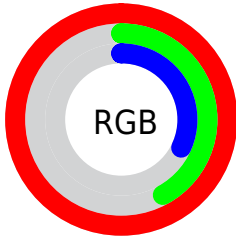
Format	Color
R _Y B	255, 113, 81
Decimal	16739409
CIE Lab	63.82, 54.37, 42.97
CIE LCh	64, 69.302, 38.324
Yxy	32.5792, 0.5215, 0.3533
Android (android.graphics.Color)	4294929489 (0xFFFF6C51)
YUV	148.8750, -33.4624, 93.0716
Hunter-Lab	57.0782, 50.4976, 27.9691

Details

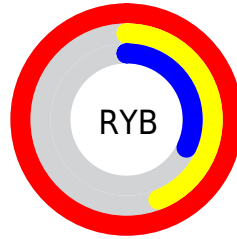
The XYZ color **48.0878, 32.5792, 11.5385** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **49.1845, 64.4515, 104.4554**, and the grayscale version is **28.6236, 30.1143, 32.7944**.

A 20% lighter version of the original color is **58.6122, 49.4496, 27.9283**, and **23.2550, 13.7779, 2.9471** is the 20% darker color. If you saturate the color by 10%, you get **45.3067, 28.2710, 6.7467**, and if you desaturate by 10%, it is **51.7905, 38.1570, 18.4081**.

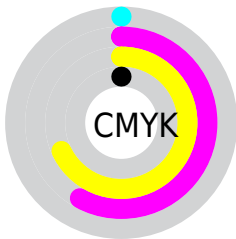
Distribution



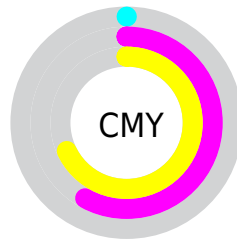
- Red (100%)
- Green (42%)
- Blue (32%)



- Red (100%)
- Yellow (44%)
- Blue (32%)



- Cyan (0%)
- Magenta (58%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0878, 32.5792, 11.5385 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 48.0878, 32.5792, 11.5385 by changing the saturation by 10% instead.


 48.0878, 32.5792,
11.5385


 48.0878, 32.5792,
11.5385


369.7168,
313.7493, 212.1940


 34.1080, 21.8043,
6.3116


 86.5440, 63.7180,
29.3035

 23.1398, 13.7132,
2.9636


 111.7511, 84.8507,
42.6786


 14.8181, 7.9214,
1.0761


 141.4313,
110.2047, 59.6068

 8.7773, 4.0447,
0.0000

 175.9500,
140.1645, 80.5067

 4.6521, 1.6986,
0.0000

 215.6726,
175.1145, 105.7968

 2.0773, 0.4228,
0.0000

260.9643,

 0.6768, 0.0000,

215.4390, 135.8957

0.0000

312.1906,
261.5225, 171.2219

■ 0.0000, 0.0000,
0.0000

■ 48.0878, 32.5792,
11.5385

■ 48.0878, 32.5792,
11.5385

■ 45.3067, 28.2710,
6.7467

■ 51.7905, 38.1570,
18.4081

■ 43.3602, 25.1257,
3.7928

■ 56.4863, 45.0890,
27.5561


■ 42.1423, 23.0255,
2.3525

■ 62.2421, 53.4586,
39.1611

■ 41.9845, 22.7494,
2.1782

■ 69.1182, 63.3410,
53.3834

■ 77.1705, 74.8062,
70.3699

 86.4508, 87.9196,
90.2563

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



53.4162, 32.5792, 28.2668



48.0878, 32.5792, 11.5385



38.4041, 32.5792, 5.3421

Triad

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



48.0878, 32.5792, 11.5385



16.6284, 32.5792, 19.1324



33.7543, 32.5792, 119.3095

Complementary

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



48.0878, 32.5792, 11.5385



49.1845, 64.4515, 104.4554

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.



24.5554, 32.5792, 112.2153



48.0878, 32.5792, 11.5385



15.8954, 32.5792, 43.8108

Square

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



48.0878, 32.5792, 11.5385



20.7510, 32.5792, 7.8527



18.4830, 32.5792, 80.1628



44.0789, 32.5792, 96.3133

Rectangle

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



48.0878, 32.5792, 11.5385



31.5161, 32.5792, 4.3452



18.4830, 32.5792, 80.1628



30.4214, 32.5792, 120.5295

Sweetspot

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



48.0886, 32.5810, 11.5390



75.6616, 72.6647, 67.1646



58.3112, 32.7965, 77.3123



15.6971, 14.8457, 13.3230



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.



48.0886, 32.5810, 11.5390



44.4809, 26.9560, 5.4331



62.0391, 60.4821, 16.1892



18.2370, 18.4421, 18.7428



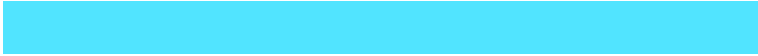
22.0051, 12.0215, 1.1606



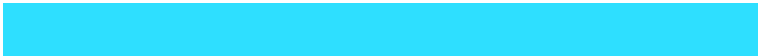
2.2055, 1.2964, 0.1340

Inverse Universe

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



49.1845, 64.4515, 104.4554



45.4381, 60.3304, 103.8578



31.1016, 28.2858, 98.4277



18.3006, 19.9728, 23.1405



22.2752, 29.4601, 53.9469



2.2307, 2.9922, 5.2732

Previews

White Background



This preview shows how the XYZ color 48.0878, 32.5792, 11.5385 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



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 48.0878, 32.5792, 11.5385

Background



This preview shows how black text looks on a background with the XYZ color 48.0878, 32.5792, 11.5385.



This preview shows how white text looks on a background with the XYZ color 48.0878, 32.5792,

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

48.0878, 32.5792, 11.5385

Protanopia

30.2881, 32.7595, 16.2821

Deuteranopia

33.2784, 32.7372, 10.8683



Tritanopia

49.2162, 32.5330, 19.0148

Trichromacy



Original Color

48.0878, 32.5792, 11.5385

Protanomaly

34.8397, 31.2290, 14.3168

Deuteranomaly

37.4236, 31.5930, 10.9631

Tritanomaly

48.7430, 32.5077, 16.0175

Monochromacy



Original Color

48.0878, 32.5792, 11.5385

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

32.9022, 29.1968, 22.9702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0878, 32.5792, 11.5385 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, 108, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 81)  
}
```

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, 108, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 81) }
```

Border

The CSS property to change the border of an element to XYZ 48.0878, 32.5792, 11.5385 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, 108, 81) }
```


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

```
.border{ border-color:rgb(255, 108, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0878, 32.5792, 11.5385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 81) }
```

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

```
.background{ background-color: rgb(255,  
108, 81) }
```

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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