

Converting Colors

XYZ(50.1493, 36.8497, 11.7720)

Have a look what the booklet for
XYZ(50.1493, 36.8497, 11.7720)
contains.

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Color

**XYZ(50.1121, 36.7462,
11.8487)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E4F
RGB	255, 126, 79
RGB Percent	100%, 49%, 31%
CMY	0.0000, 0.5059, 0.6902
CMYK	0.00, 0.51, 0.69, 0.00
HSL	16°, 100%, 65%
HSV	16°, 69%, 100%
XYZ	50.1121, 36.7462, 11.8487
YIQ	159.2130, 91.9710, 12.7310

Conversions

Conversions Part 2

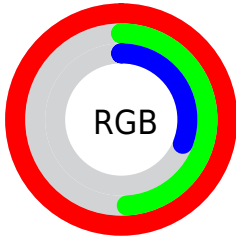
Format	Color
R _Y B	255, 143, 79
Decimal	16744015
CIE Lab	67.09, 45.80, 47.77
CIE LCh	67, 66.176, 46.205
Yxy	36.7462, 0.5077, 0.3723
Android (android.graphics.Color)	4294934095 (0xFFFF7E4F)
YUV	159.2130, -39.5450, 84.0052
Hunter-Lab	60.6186, 41.4794, 30.8441

Details

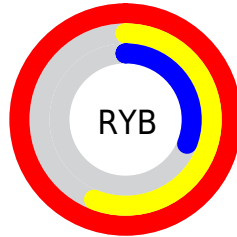
The XYZ color **50.1121, 36.7462, 11.8487** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.8286, 53.9905, 102.7182**, and the grayscale version is **33.1992, 34.9281, 38.0368**.

A 20% lighter version of the original color is **61.7931, 55.9195, 28.6558**, and **24.3681, 16.0705, 3.1139** is the 20% darker color. If you saturate the color by 10%, you get **47.1849, 32.1036, 7.1387**, and if you desaturate by 10%, it is **53.8432, 42.4280, 18.5823**.

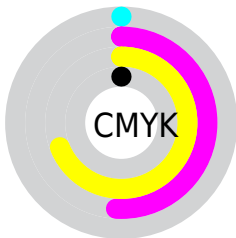
Distribution



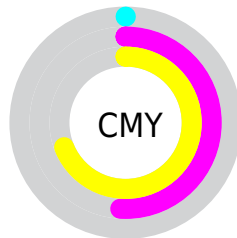
- Red (100%)
- Green (49%)
- Blue (31%)



- Red (100%)
- Yellow (56%)
- Blue (31%)



- Cyan (0%)
- Magenta (51%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1121, 36.7462, 11.8487 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 50.1121, 36.7462, 11.8487 by changing the saturation by 10% instead.


 50.1121, 36.7462,
11.8487


 50.1121, 36.7462,
11.8487

377.5489,
332.2104, 214.3433

 35.7206, 25.0110,
6.5195

 89.5318, 70.1823,
29.8795


 24.3876, 16.0853,
3.0896


 115.2907, 92.6520,
43.4181


 15.7477, 9.5845,
1.1406


 145.5695,
119.4686, 60.5303

 9.4355, 5.1244,
0.0000

 180.7335,
151.0167, 81.6346

 5.0857, 2.3204,
0.0000

 221.1481,
187.6805, 107.1495

 2.3329, 0.7845,
0.0000

267.1786,

 0.8114, 0.0000,

229.8444, 137.4935

0.0000

319.1904,
277.8929, 173.0853

■ 0.0000, 0.0000,
0.0000

■ 50.1121, 36.7462,
11.8487

■ 50.1121, 36.7462,
11.8487

■ 47.1849, 32.1036,
7.1387

■ 53.8432, 42.4280,
18.5823

■ 44.9910, 28.4270,
4.2144

■ 58.4350, 49.2035,
27.5370

■ 43.4398, 25.6382,
2.7310

■ 63.9418, 57.1303,
38.8888

■ 43.3133, 25.4070,
2.6212

■ 70.4123, 66.2600,
52.7952

■ 77.8915, 76.6410,
69.4002

86.4217, 88.3189,
88.8372

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.



57.0121, 36.7462, 26.4449



50.1121, 36.7462, 11.8487



39.7491, 36.7462, 6.7066

Triad

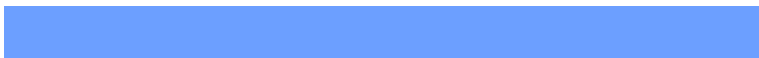
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.1121, 36.7462, 11.8487



19.2958, 36.7462, 28.1919



40.6129, 36.7462, 120.3683

Complementary

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



50.1121, 36.7462, 11.8487



43.8286, 53.9905, 102.7182

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.



30.5101, 36.7462, 121.6311



50.1121, 36.7462, 11.8487



19.4381, 36.7462, 57.5659

Square

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



50.1121, 36.7462, 11.8487



22.7320, 36.7462, 12.5968



23.1673, 36.7462, 94.8643



50.8484, 36.7462, 91.9612

Rectangle

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



50.1121, 36.7462, 11.8487



32.8749, 36.7462, 6.3266



23.1673, 36.7462, 94.8643



37.0610, 36.7462, 124.3251

Sweetspot

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



50.1129, 36.7482, 11.8493



76.3281, 74.4832, 65.8901



55.4292, 31.4094, 62.8586



15.8854, 15.3167, 13.0952



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.



50.1129, 36.7482, 11.8493



46.2280, 30.5281, 5.7753



66.6807, 69.8837, 17.3719



18.4039, 18.7761, 18.7985



22.7361, 13.4835, 1.4042



2.2990, 1.4834, 0.1651

Inverse Universe

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



43.8286, 53.9905, 102.7182



39.3630, 48.3451, 101.8646



27.9991, 22.3315, 97.4417



18.1204, 19.6123, 23.0805



18.8344, 22.5784, 52.8000



1.9238, 2.3783, 5.1709

Previews

White Background



This preview shows how the XYZ color 50.1121, 36.7462, 11.8487 looks on a white background.

Color Contrast Check

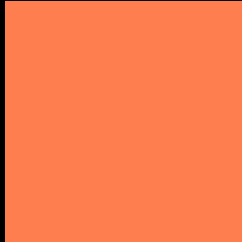
Large Text (above 18pt) WCAG AA × Fail

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 50.1121, 36.7462, 11.8487 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 50.1121, 36.7462, 11.8487

Background



This preview shows how black text looks on a background with the XYZ color 50.1121, 36.7462, 11.8487.



This preview shows how white text looks on a background with the XYZ color 50.1121, 36.7462,

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

50.1121, 36.7462, 11.8487

Protanopia

34.0296, 37.0269, 15.4786

Deuteranopia

37.6868, 36.9413, 11.2750



Tritanopia

52.2288, 36.7908, 25.4677

Trichromacy



Original Color

50.1121, 36.7462, 11.8487

Protanomaly

38.3588, 35.7662, 13.8987

Deuteranomaly

41.5196, 36.2884, 11.4726

Tritanomaly

51.1922, 36.5736, 19.4002

Monochromacy



Original Color

50.1121, 36.7462, 11.8487

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.7111, 33.9485, 25.7369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1121, 36.7462, 11.8487 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, 126, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 79)  
}
```

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, 126, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 79) }
```

Border

The CSS property to change the border of an element to XYZ 50.1121, 36.7462, 11.8487 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, 126, 79) }
```


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

```
.border{ border-color:rgb(255, 126, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1121, 36.7462, 11.8487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 79) }
```

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

```
.background{ background-color: rgb(255,  
126, 79) }
```

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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