

Converting Colors

XYZ(50.0157, 35.4331, 15.2698)

Have a look what the booklet for
XYZ(50.0157, 35.4331, 15.2698)
contains.

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Color

**XYZ(50.0678, 35.5375,
15.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7860
RGB	255, 120, 96
RGB Percent	100%, 47%, 38%
CMY	0.0000, 0.5294, 0.6235
CMYK	0.00, 0.53, 0.62, 0.00
HSL	9°, 100%, 69%
HSV	9°, 62%, 100%
XYZ	50.0678, 35.5375, 15.2869
YIQ	157.6290, 88.1640, 21.1560

Conversions

Conversions Part 2

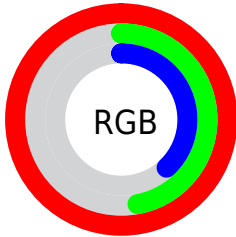
Format	Color
RYB	255, 124, 96
Decimal	16742496
CIELab	66.17, 49.65, 37.72
CIELCh	66, 62.351, 37.221
Yxy	35.5375, 0.4963, 0.3522
Android (android.graphics.Color)	4294932576 (0xFFFF7860)
YUV	157.6290, -30.3831, 85.3944
Hunter-Lab	59.6133, 45.5945, 26.5254

Details

The XYZ color **50.0678, 35.5375, 15.2869** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **51.4476, 66.8542, 104.7998**, and the grayscale version is **32.4378, 34.1271, 37.1644**.

A 20% lighter version of the original color is **61.8364, 54.0265, 34.7728**, and **24.2408, 15.3246, 4.5860** is the 20% darker color. If you saturate the color by 10%, you get **46.7625, 30.5111, 9.3022**, and if you desaturate by 10%, it is **54.3440, 41.8971, 23.4734**.

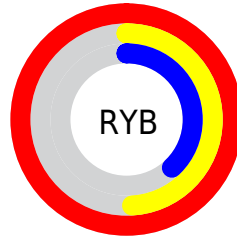
Distribution



Red (100%)

Green (47%)

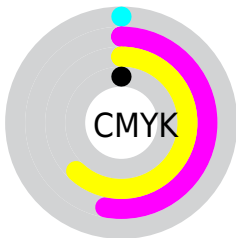
Blue (38%)



Red (100%)

Yellow (49%)

Blue (38%)

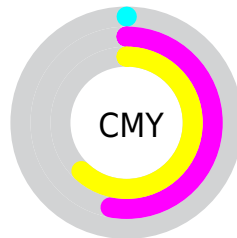


Cyan (0%)

Magenta (53%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0678, 35.5375, 15.2869 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 50.0678, 35.5375, 15.2869 by changing the saturation by 10% instead.


 50.0678, 35.5375,
15.2869


 50.0678, 35.5375,
15.2869

377.3786,
326.9345, 236.7965

 35.6853, 24.0772,
8.8721


 89.4665, 68.3176,
36.1051

 24.3602, 15.3909,
4.5622


 115.2135, 90.4062,
51.3456

 15.7272, 9.0942,
1.9386


 145.4793,
116.8064, 70.3651

 9.4210, 4.8027,
0.5171

 180.6293,
147.9025, 93.5822

 5.0761, 2.1320,
0.0000

221.0289,
184.0790, 121.4153

 2.3272, 0.6825,
0.0000

267.0434,

 0.8085, 0.0000,

225.7202, 154.2830

0.0000

319.0382,
273.2106, 192.6039

■ 0.0000, 0.0000,
0.0000

■ 50.0678, 35.5375,
15.2869

■ 50.0678, 35.5375,
15.2869

■ 46.7625, 30.5111,
9.3022

■ 54.3440, 41.8971,
23.4734

■ 44.3470, 26.7165,
5.3022

■ 59.6582, 49.6704,
34.0472

■ 42.7307, 24.0467,
3.0281

■ 66.0745, 58.9379,
47.1761

■ 41.9491, 22.6785,
2.1664

■ 73.6507, 69.7727,
63.0123

■ 82.4408, 82.2429,
81.6960

92.4954, 96.4126,
103.3577

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.



54.7466, 35.5375, 32.6206



50.0678, 35.5375, 15.2869



41.1659, 35.5375, 8.1177

Triad

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



50.0678, 35.5375, 15.2869



19.8544, 35.5375, 22.0924



36.0699, 35.5375, 114.7337

Complementary

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



50.0678, 35.5375, 15.2869



51.4476, 66.8542, 104.7998

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.



27.3304, 35.5375, 107.5033



50.0678, 35.5375, 15.2869



18.9902, 35.5375, 45.4786

Square

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



50.0678, 35.5375, 15.2869



24.0945, 35.5375, 10.6030



21.4699, 35.5375, 78.5577



45.7585, 35.5375, 95.3037

Rectangle

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



50.0678, 35.5375, 15.2869



34.6495, 35.5375, 6.8094



21.4699, 35.5375, 78.5577



32.9199, 35.5375, 115.4477

Sweetspot

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



50.0686, 35.5394, 15.2875



76.4601, 73.7681, 68.9522



59.8677, 35.4038, 79.3904



15.8508, 15.0573, 13.6696



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.



50.0686, 35.5394, 15.2875



46.0400, 29.3907, 8.0597



63.8552, 63.1125, 19.8830



18.2307, 18.4296, 18.7407



21.9851, 11.9815, 1.1539



2.2026, 1.2906, 0.1330

Inverse Universe

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



51.4476, 66.8542, 104.7998



47.3779, 62.7612, 104.2248



34.0455, 32.0500, 98.9991



18.3074, 19.9865, 23.1428



22.4176, 29.7448, 53.9944



2.2433, 3.0172, 5.2774

Previews

White Background



This preview shows how the XYZ color 50.0678, 35.5375, 15.2869 looks on a white background.

Color Contrast Check

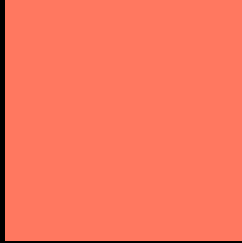
Large Text (above 18pt) WCAG AA × Fail

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 50.0678, 35.5375, 15.2869 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 50.0678, 35.5375, 15.2869

Background



This preview shows how black text looks on a background with the XYZ color 50.0678, 35.5375, 15.2869.



This preview shows how white text looks on a background with the XYZ color 50.0678, 35.5375,

15.2869.

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

50.0678, 35.5375, 15.2869

Protanopia

33.1251, 35.6583, 20.4661

Deuteranopia

36.4270, 35.7197, 14.6475



Tritanopia

51.3030, 35.4632, 23.5432

Trichromacy



Original Color

50.0678, 35.5375, 15.2869

Protanomaly

37.5090, 34.2949, 18.2783

Deuteranomaly

40.5182, 35.0241, 14.7500

Tritanomaly

50.7557, 35.4318, 20.0835

Monochromacy



Original Color

50.0678, 35.5375, 15.2869

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.3388, 33.0332, 27.3825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0678, 35.5375, 15.2869 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, 120, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 96)  
}
```

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, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 96) }
```

Border

The CSS property to change the border of an element to XYZ 50.0678, 35.5375, 15.2869 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, 120, 96) }
```


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

```
.border{ border-color:rgb(255, 120, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0678, 35.5375, 15.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 96) }
```

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

```
.background{ background-color: rgb(255,  
120, 96) }
```

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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