

Converting Colors

XYZ(47.6148, 36.0082, 17.0359)

Have a look what the booklet for
XYZ(47.6148, 36.0082, 17.0359)
contains.

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Color

**XYZ(47.5568, 35.8929,
16.9919)**

Conversions

Conversions Part 1

Format	Color
Hex	F48166
RGB	244, 129, 102
RGB Percent	96%, 51%, 40%
CMY	0.0431, 0.4941, 0.6000
CMYK	0.00, 0.47, 0.58, 0.04
HSL	11°, 87%, 68%
HSV	11°, 58%, 96%
XYZ	47.5568, 35.8929, 16.9919
YIQ	160.3070, 77.2070, 15.9830

Conversions

Conversions Part 2

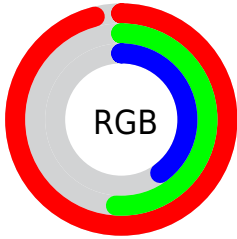
Format	Color
R_{YB}	244, 135, 102
Decimal	16023910
CIE _{Lab}	66.44, 41.61, 34.46
CIE _{LCh}	66, 54.022, 39.630
Yxy	35.8929, 0.4735, 0.3574
Android (android.graphics.Color)	4294213990 (0xFFFF48166)
YUV	160.3070, -28.7454, 73.3988
Hunter-Lab	59.9107, 36.8487, 25.1216

Details

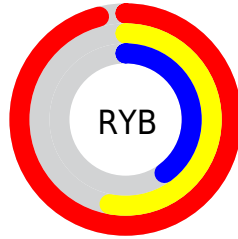
The XYZ color **47.5568, 35.8929, 16.9919** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.6200, 58.9790, 94.5146**, and the grayscale version is **33.6599, 35.4129, 38.5646**.

A 20% lighter version of the original color is **64.1303, 57.8409, 37.9214**, and **22.8482, 15.6414, 5.3049** is the 20% darker color. If you saturate the color by 10%, you get **44.1641, 30.7676, 10.7441**, and if you desaturate by 10%, it is **51.8105, 42.1709, 25.2838**.

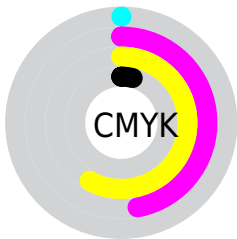
Distribution



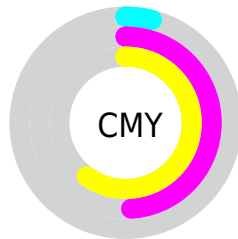
- Red (96%)
- Green (51%)
- Blue (40%)



- Red (96%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (47%)
- Yellow (58%)
- Black (4%)





- Cyan (4%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5568, 35.8929, 16.9919 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 47.5568, 35.8929, 16.9919 by changing the saturation by 10% instead.


 47.5568, 35.8929,
16.9919


 47.5568, 35.8929,
16.9919

367.6446,
328.4922, 247.1681


 33.6858, 24.3515,
10.0668


 85.7579, 68.8667,
39.1023

 22.8141, 15.5946,
5.3371


 110.8186, 91.0679,
55.1247

 14.5762, 9.2377,
2.3842


 140.3401,
117.5912, 75.0166

 8.6069, 4.8966,
0.7778

 174.6876,
148.8209, 99.1966

 4.5407, 2.1867,
0.0000

214.2264,
185.1415, 128.0832

 2.0124, 0.7127,
0.0000

259.3219,

 0.6409, 0.0000,

226.9373, 162.0950

0.0000

310.3395,
274.5927, 201.6504

■ 0.0000, 0.0000,
0.0000

■ 47.5568, 35.8929,
16.9919

■ 47.5568, 35.8929,
16.9919

■ 44.1641, 30.7676,
10.7441

■ 51.8105, 42.1709,
25.2838

■ 41.5685, 26.7182,
6.3587

■ 56.9779, 49.6609,
35.7761

■ 39.7007, 23.6672,
3.6253

■ 63.1101, 58.4247,
48.6120

■ 38.4715, 21.5213,
2.2527

■ 70.2538, 68.5183,
63.9221

■ 38.3010, 21.2188,
2.0770

■ 78.4525, 79.9943,
81.8274

■ 87.7472, 92.9023,
102.4407

■ 91.1181, 97.9730,
108.7160

Harmonies

Analogous

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



51.8698, 35.8929, 32.0904



47.5568, 35.8929, 16.9919



39.8227, 35.8929, 10.4231

Triad

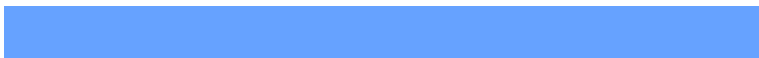
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.5568, 35.8929, 16.9919



21.5086, 35.8929, 25.5319



36.7849, 35.8929, 101.5346

Complementary

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



47.5568, 35.8929, 16.9919



46.6200, 58.9790, 94.5146

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.



28.9807, 35.8929, 97.5096



47.5568, 35.8929, 16.9919



20.9591, 35.8929, 47.0202

Square

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



47.5568, 35.8929, 16.9919



25.1219, 35.8929, 13.8270



23.4798, 35.8929, 74.9517



45.0331, 35.8929, 84.4286

Rectangle

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



47.5568, 35.8929, 16.9919



34.2156, 35.8929, 9.3109



23.4798, 35.8929, 74.9517



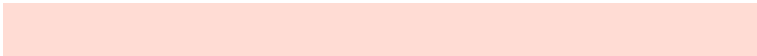
34.0149, 35.8929, 102.7243

Sweetspot

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



47.5577, 35.8948, 16.9925



78.6451, 77.1269, 72.7981



54.7101, 33.7963, 69.9466



16.4674, 15.9939, 14.7896



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.



47.5577, 35.8948, 16.9925



48.1863, 33.0376, 10.7662



60.1376, 61.0547, 21.1859



16.7541, 16.9924, 17.1944



20.8991, 11.6838, 1.1537



1.9044, 1.1620, 0.1239

Inverse Universe

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



46.6200, 58.9790, 94.5146



46.9406, 60.5175, 103.8148



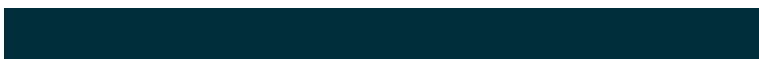
32.2374, 30.2138, 89.7204



16.7132, 18.1906, 21.1728



19.9048, 25.6035, 50.4309



1.8168, 2.3850, 4.4548

Previews

White Background



This preview shows how the XYZ color 47.5568, 35.8929, 16.9919 looks on a white background.

Color Contrast Check

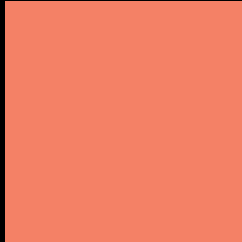
Large Text (above 18pt) WCAG AA × Fail

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 47.5568, 35.8929, 16.9919 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 47.5568, 35.8929, 16.9919

Background



This preview shows how black text looks on a background with the XYZ color 47.5568, 35.8929, 16.9919.



This preview shows how white text looks on a background with the XYZ color 47.5568, 35.8929,

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

47.5568, 35.8929, 16.9919

Protanopia

33.6940, 36.1924, 21.4296

Deuteranopia

36.9050, 36.1761, 16.3468



Tritanopia

49.6427, 35.9813, 26.8829

Trichromacy



Original Color

47.5568, 35.8929, 16.9919

Protanomaly

37.5402, 35.2178, 19.5710

Deuteranomaly

40.2626, 35.7548, 16.5837

Tritanomaly

48.6299, 35.7393, 22.7477

Monochromacy



Original Color

47.5568, 35.8929, 16.9919

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.8935, 34.4353, 29.1283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5568, 35.8929, 16.9919 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(244, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(244, 129, 102)  
}
```

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(244, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 129, 102) }
```

Border

The CSS property to change the border of an element to XYZ 47.5568, 35.8929, 16.9919 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(244, 129, 102) }
```


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

```
.border{ border-color:rgb(244, 129, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 129, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(244, 129,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5568, 35.8929, 16.9919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 129, 102) }
```

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

```
.background{ background-color: rgb(244,  
129, 102) }
```

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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