

Converting Colors

XYZ(78.4369, 49.3466, 13.8183)

Have a look what the booklet for
XYZ(78.4369, 49.3466, 13.8183)
contains.

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Color

**XYZ(48.9710, 34.1616,
12.4003)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7354
RGB	255, 115, 84
RGB Percent	100%, 45%, 33%
CMY	0.0000, 0.5490, 0.6706
CMYK	0.00, 0.55, 0.67, 0.00
HSL	11°, 100%, 66%
HSV	11°, 67%, 100%
XYZ	48.9710, 34.1616, 12.4003
YIQ	153.3260, 93.3910, 20.0390

Conversions

Conversions Part 2

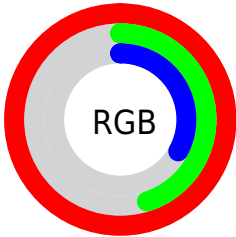
Format	Color
R _Y B	255, 122, 84
Decimal	16741204
CIE Lab	65.09, 51.31, 42.87
CIE LCh	65, 66.861, 39.877
Yxy	34.1616, 0.5126, 0.3576
Android (android.graphics.Color)	4294931284 (0xFFFF7354)
YUV	153.3260, -34.1777, 89.1681
Hunter-Lab	58.4479, 47.2736, 28.3346

Details

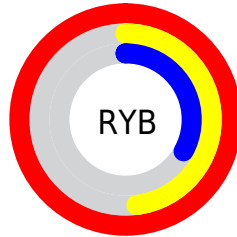
The XYZ color **48.9710, 34.1616, 12.4003** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **48.3596, 62.4117, 104.1050**, and the grayscale version is **30.5375, 32.1278, 34.9872**.

A 20% lighter version of the original color is **59.9879, 51.7587, 29.7504**, and **23.6880, 14.5718, 3.3144** is the 20% darker color. If you saturate the color by 10%, you get **46.0308, 29.5996, 7.3574**, and if you desaturate by 10%, it is **52.8151, 39.9507, 19.5375**.

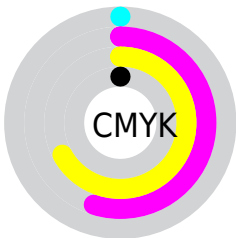
Distribution



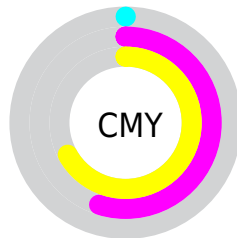
- Red (100%)
- Green (45%)
- Blue (33%)



- Red (100%)
- Yellow (48%)
- Blue (33%)



- Cyan (0%)
- Magenta (55%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9710, 34.1616, 12.4003 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 48.9710, 34.1616, 12.4003 by changing the saturation by 10% instead.


 48.9710, 34.1616,
12.4003


 48.9710, 34.1616,
12.4003


373.1470,
320.8520, 218.1088


 34.8109, 23.0178,
6.8911


 87.8494, 66.1849,
30.8973

 23.6831, 14.6066,
3.3167


 113.2984, 87.8331,
44.7222


 15.2222, 8.5438,
1.2585


 143.2410,
113.7517, 62.1561

 9.0628, 4.4448,
0.0274

 178.0427,
144.3248, 83.6174

 4.8396, 1.9254,
0.0000

 218.0688,
179.9371, 109.5249

 2.1872, 0.5636,
0.0000

263.6847,

 0.7360, 0.0000,

220.9727, 140.2969

0.0000

315.2556,
267.8163, 176.3520

■ 0.0000, 0.0000,
0.0000

■ 48.9710, 34.1616,
12.4003

■ 48.9710, 34.1616,
12.4003

■ 46.0308, 29.5996,
7.3574

■ 52.8151, 39.9507,
19.5375

■ 43.9138, 26.1686,
4.1755

■ 57.6296, 47.0423,
28.9647


■ 42.5259, 23.7665,
2.5614

■ 63.4771, 55.5119,
40.8573

■ 42.2262, 23.2327,
2.2588

■ 70.4143, 65.4280,
55.3726

■ 78.4936, 76.8543,
72.6551

 87.7640, 89.8504,
92.8387

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.



54.5034, 34.1616, 28.7727



48.9710, 34.1616, 12.4003



39.3112, 34.1616, 6.2213

Triad

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



48.9710, 34.1616, 12.4003



17.9281, 34.1616, 21.6919



35.7719, 34.1616, 118.4283

Complementary

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



48.9710, 34.1616, 12.4003



48.3596, 62.4117, 104.1050

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.



26.4717, 34.1616, 113.1699



48.9710, 34.1616, 12.4003



17.3547, 34.1616, 47.1215

Square

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



48.9710, 34.1616, 12.4003



21.9283, 34.1616, 9.4344



20.1665, 34.1616, 82.9728



45.9412, 34.1616, 95.0172

Rectangle

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



48.9710, 34.1616, 12.4003



32.5096, 34.1616, 5.2839



20.1665, 34.1616, 82.9728



32.4296, 34.1616, 120.1482

Sweetspot

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



48.9718, 34.1635, 12.4009



75.9958, 73.3330, 67.2760



58.2063, 33.1192, 75.6363



15.7757, 15.0029, 13.3492



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.



48.9718, 34.1635, 12.4009



45.3266, 28.4771, 6.2396



63.0341, 62.2882, 17.0883



18.2757, 18.5196, 18.7557



22.1404, 12.2921, 1.2057



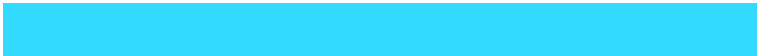
2.2243, 1.3340, 0.1403

Inverse Universe

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



48.3596, 62.4117, 104.1050



44.4887, 58.0708, 103.4717



31.2311, 28.1548, 98.3956



18.2583, 19.8882, 23.1264



21.4159, 27.7413, 53.6605



2.1548, 2.8403, 5.2479

Previews

White Background



This preview shows how the XYZ color 48.9710, 34.1616, 12.4003 looks on a white background.

Color Contrast Check

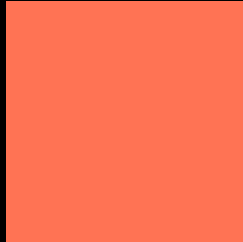
Large Text (above 18pt) WCAG AA × Fail

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 48.9710, 34.1616, 12.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

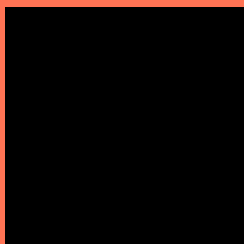
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9710, 34.1616, 12.4003

Background



This preview shows how black text looks on a background with the XYZ color 48.9710, 34.1616, 12.4003.



This preview shows how white text looks on a background with the XYZ color 48.9710, 34.1616,

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

48.9710, 34.1616, 12.4003

Protanopia

31.7126, 34.2388, 16.7417

Deuteranopia

34.9118, 34.2711, 11.7961



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

48.9710, 34.1616, 12.4003

Protanomaly

36.3220, 32.8507, 15.0161

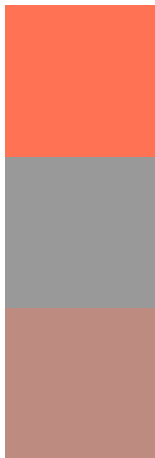
Deuteranomaly

39.1517, 33.5079, 11.9936

Tritanomaly

49.7466, 34.1109, 17.5978

Monochromacy



Original Color

48.9710, 34.1616, 12.4003

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.3641, 30.9709, 24.5889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9710, 34.1616, 12.4003 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, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 84)  
}
```

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, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 84) }
```

Border

The CSS property to change the border of an element to XYZ 48.9710, 34.1616, 12.4003 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, 115, 84) }
```


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

```
.border{ border-color:rgb(255, 115, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9710, 34.1616, 12.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 84) }
```

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

```
.background{ background-color: rgb(255,  
115, 84) }
```

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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