

Converting Colors

XYZ(47.8464, 34.5241, 12.0169)

Have a look what the booklet for
XYZ(47.8464, 34.5241, 12.0169)
contains.

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Color

**XYZ(47.6260, 34.3510,
11.9048)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7851
RGB	250, 120, 81
RGB Percent	98%, 47%, 32%
CMY	0.0196, 0.5294, 0.6823
CMYK	0.00, 0.52, 0.68, 0.02
HSL	14°, 94%, 65%
HSV	14°, 68%, 98%
XYZ	47.6260, 34.3510, 11.9048
YIQ	154.4240, 89.9990, 15.4310

Conversions

Conversions Part 2

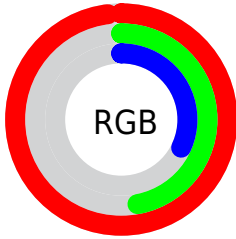
Format	Color
RYB	250, 132, 81
Decimal	16414801
CIELab	65.24, 46.96, 44.43
CIELCh	65, 64.652, 43.416
Yxy	34.3510, 0.5073, 0.3659
Android (android.graphics.Color)	4294604881 (0xFFFA7851)
YUV	154.4240, -36.1980, 83.8202
Hunter-Lab	58.6097, 42.4813, 28.9838

Details

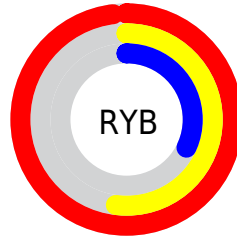
The XYZ color **47.6260, 34.3510, 11.9048** is a light color, and the websafe version is hex **CC6633**. The color can be described as light muted orange. A complement of this color would be **43.9410, 55.2362, 98.7876**, and the grayscale version is **31.0293, 32.6452, 35.5506**.

A 20% lighter version of the original color is **60.7348, 53.5859, 28.9718**, and **22.7894, 14.6946, 3.1486** is the 20% darker color. If you saturate the color by 10%, you get **44.7701, 29.8738, 7.1481**, and if you desaturate by 10%, it is **51.2928, 39.8987, 18.6338**.

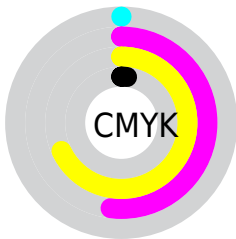
Distribution



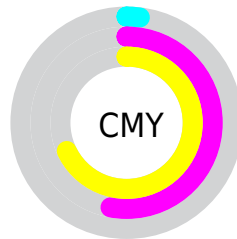
- Red (98%)
- Green (47%)
- Blue (32%)



- Red (98%)
- Yellow (52%)
- Blue (32%)



- Cyan (0%)
- Magenta (52%)
- Yellow (68%)
- Black (2%)





- Cyan (2%)
- Magenta (53%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6260, 34.3510, 11.9048 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 47.6260, 34.3510, 11.9048 by changing the saturation by 10% instead.


 47.6260, 34.3510,
11.9048


 47.6260, 34.3510,
11.9048

367.9151,
321.6943, 214.7295

 33.7408, 23.1634,
6.5571


 85.8604, 66.4791,
29.9834


 22.8565, 14.7142,
3.1125


 110.9403, 88.1884,
43.5514


 14.6077, 8.6190,
1.1524


 140.4824,
114.1737, 60.6966

 8.6290, 4.4935,
0.0000

 174.8523,
144.8195, 81.8376

 4.5552, 1.9533,
0.0000

 214.4151,
180.5100, 107.3928

 2.0208, 0.5801,
0.0000

259.5363,

 0.6456, 0.0000,

221.6297, 137.7808

0.0000

310.5811,
268.5630, 173.4202

■ 0.0000, 0.0000,
0.0000

■ 47.6260, 34.3510,
11.9048

■ 47.6260, 34.3510,
11.9048

■ 44.7701, 29.8738,
7.1481

■ 51.2928, 39.8987,
18.6338

■ 42.6548, 26.3896,
4.1420

■ 55.8276, 46.5761,
27.5208


■ 41.1970, 23.8171,
2.5982


■ 61.2851, 54.4446,
38.7317


■ 40.9222, 23.3201,
2.3444

■ 67.7143, 63.5593,
52.4158

■ 75.1607, 73.9720,
68.7097

 83.6670, 85.7313,
87.7400

 93.1116, 98.8188,
108.7742

 93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



53.5883, 34.3510, 26.6269



47.6260, 34.3510, 11.9048



38.0880, 34.3510, 6.4855

Triad

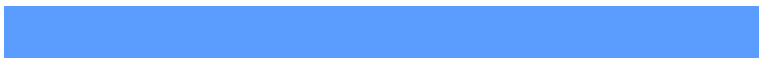
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.6260, 34.3510, 11.9048



18.2038, 34.3510, 24.4819



37.0277, 34.3510, 113.7838

Complementary

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



47.6260, 34.3510, 11.9048



43.9410, 55.2362, 98.7876

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.



27.7552, 34.3510, 112.2348



47.6260, 34.3510, 11.9048



18.0290, 34.3510, 50.7516

Square

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



47.6260, 34.3510, 11.9048



21.7311, 34.3510, 10.9856



21.1965, 34.3510, 85.4840



46.7224, 34.3510, 89.0458

Rectangle

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



47.6260, 34.3510, 11.9048



31.5839, 34.3510, 5.8651



21.1965, 34.3510, 85.4840



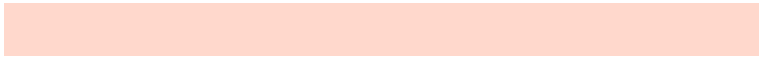
33.7390, 34.3510, 116.5805

Sweetspot

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



47.6268, 34.3529, 11.9054



76.6364, 74.6143, 67.4896



54.4255, 31.0325, 66.3273



15.9266, 15.3049, 13.3995



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.



47.6268, 34.3529, 11.9054



45.9771, 29.8656, 6.1866



62.0572, 63.2137, 16.7155



17.5696, 17.8752, 17.9866



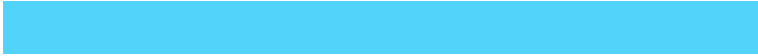
21.7961, 12.5488, 1.2734



2.0955, 1.3159, 0.1436

Inverse Universe

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



43.9410, 55.2362, 98.7876



41.6821, 52.6430, 102.5720



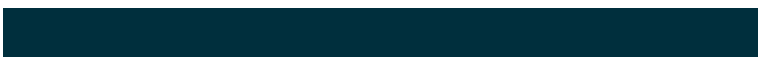
28.4837, 24.3215, 93.6352



17.4063, 18.8893, 22.1139



19.3004, 23.9564, 51.5804



1.8672, 2.3781, 4.8038

Previews

White Background



This preview shows how the XYZ color 47.6260, 34.3510, 11.9048 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 47.6260, 34.3510, 11.9048 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 47.6260, 34.3510, 11.9048

Background



This preview shows how black text looks on a background with the XYZ color 47.6260, 34.3510, 11.9048.



This preview shows how white text looks on a background with the XYZ color 47.6260, 34.3510,

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

47.6260, 34.3510, 11.9048

Protanopia

31.8741, 34.6031, 15.5888

Deuteranopia

35.0676, 34.3634, 11.2631



Tritanopia

49.8508, 34.3870, 22.7488

Trichromacy



Original Color

47.6260, 34.3510, 11.9048

Protanomaly

36.2857, 33.5286, 14.0104

Deuteranomaly

39.0365, 33.8909, 11.5053

Tritanomaly

48.8517, 34.3145, 18.2360

Monochromacy



Original Color

47.6260, 34.3510, 11.9048

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.4900, 31.6971, 24.3790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6260, 34.3510, 11.9048 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(250, 120, 81)` looks like.

```
.text, #text, p{  
    color:rgb(250, 120, 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(250, 120, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 120, 81) }
```

Border

The CSS property to change the border of an element to XYZ 47.6260, 34.3510, 11.9048 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(250, 120, 81) }
```


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

```
.border{ border-color:rgb(250, 120, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 120, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 120, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 120, 81);  
box-shadow:4px 4px 4px 4px rgb(250, 120,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6260, 34.3510, 11.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 120, 81) }
```

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

```
.background{ background-color: rgb(250,  
120, 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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