

Converting Colors

XYZ(48.7846, 35.3238, 12.7158)

Have a look what the booklet for
XYZ(48.7846, 35.3238, 12.7158)
contains.

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Color

**XYZ(48.7047, 35.2546,
12.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	FC7A54
RGB	252, 122, 84
RGB Percent	99%, 48%, 33%
CMY	0.0118, 0.5215, 0.6706
CMYK	0.00, 0.52, 0.67, 0.01
HSL	14°, 97%, 66%
HSV	14°, 67%, 99%
XYZ	48.7047, 35.2546, 12.6253
YIQ	156.5380, 89.6780, 15.7420

Conversions

Conversions Part 2

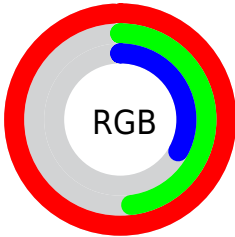
Format	Color
R _Y B	252, 133, 84
Decimal	16546388
CIE Lab	65.95, 46.89, 43.76
CIE LCh	66, 64.140, 43.020
Yxy	35.2546, 0.5043, 0.3650
Android (android.graphics.Color)	4294736468 (0xFFFC7A54)
YUV	156.5380, -35.7612, 83.7202
Hunter-Lab	59.3756, 42.5130, 28.9558

Details

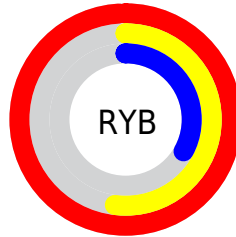
The XYZ color **48.7047, 35.2546, 12.6253** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **45.2716, 57.0026, 100.7116**, and the grayscale version is **31.9686, 33.6335, 36.6269**.

A 20% lighter version of the original color is **61.3353, 54.4536, 30.1995**, and **23.4483, 15.2086, 3.4500** is the 20% darker color. If you saturate the color by 10%, you get **45.7305, 30.6122, 7.6092**, and if you desaturate by 10%, it is **52.5157, 41.0034, 19.6715**.

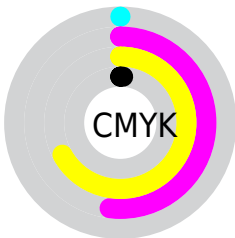
Distribution



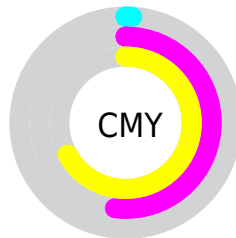
- Red (99%)
- Green (48%)
- Blue (33%)



- Red (99%)
- Yellow (52%)
- Blue (33%)



- Cyan (0%)
- Magenta (52%)
- Yellow (67%)
- Black (1%)





- Cyan (1%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7047, 35.2546, 12.6253 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 48.7047, 35.2546, 12.6253 by changing the saturation by 10% instead.


 48.7047, 35.2546,
12.6253


 48.7047, 35.2546,
12.6253


372.1149,
325.6907, 219.6249


 34.5989, 23.8591,
7.0434


 87.4561, 67.8800,
31.3102

 23.5191, 15.2291,
3.4104


 112.8323, 89.8786,
45.2503


 15.1001, 8.9803,
1.3078


 142.6961,
116.1805, 62.8134

 8.9764, 4.7284,
0.0682

 177.4127,
147.1698, 84.4183

 4.7828, 2.0888,
0.0000

 217.3475,
183.2311, 110.4833

 2.1538, 0.6583,
0.0000

262.8659,

 0.7182, 0.0000,

224.7488, 141.4270

0.0000

314.3333,
272.1072, 177.6681

■ 0.0000, 0.0000,
0.0000

■ 48.7047, 35.2546,
12.6253

■ 48.7047, 35.2546,
12.6253

■ 45.7305, 30.6122,
7.6092

■ 52.5157, 41.0034,
19.6715

■ 43.5218, 26.9966,
4.4004

■ 57.2217, 47.9196,
28.9348

■ 41.9967, 24.3257,
2.7231

■ 62.8784, 56.0662,
40.5829

■ 41.6084, 23.6227,
2.3666

■ 69.5358, 65.5000,
54.7668

■ 77.2405, 76.2742,
71.6249

86.0361, 88.4390,
91.2855

93.9547, 99.4354,
108.8487

Harmonies

Analogous

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



54.6256, 35.2546, 27.7717



48.7047, 35.2546, 12.6253



39.1271, 35.2546, 6.9535

Triad

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



48.7047, 35.2546, 12.6253



18.9064, 35.2546, 25.0535



37.7915, 35.2546, 115.1714

Complementary

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



48.7047, 35.2546, 12.6253



45.2716, 57.0026, 100.7116

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.



28.4552, 35.2546, 113.2374



48.7047, 35.2546, 12.6253



18.6844, 35.2546, 51.4100

Square

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



48.7047, 35.2546, 12.6253



22.5336, 35.2546, 11.4469



21.8559, 35.2546, 86.2415



47.5692, 35.2546, 90.6979

Rectangle

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



48.7047, 35.2546, 12.6253



32.5559, 35.2546, 6.2708



21.8559, 35.2546, 86.2415



34.4794, 35.2546, 117.8365

Sweetspot

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



48.7055, 35.2565, 12.6259



76.5767, 74.4949, 67.4697



55.6581, 31.9734, 67.9329



15.9126, 15.2767, 13.3948



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.



48.7055, 35.2565, 12.6259



46.1262, 30.0764, 6.5062



63.4331, 64.7116, 17.5351



17.5631, 17.8621, 17.9844



21.7646, 12.4858, 1.2629



2.0918, 1.3084, 0.1423

Inverse Universe

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



45.2716, 57.0026, 100.7116



42.1786, 53.4504, 102.7017



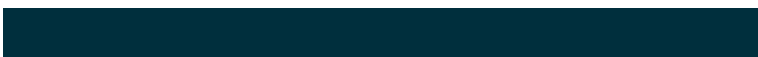
29.4241, 25.3076, 95.4291



17.4133, 18.9034, 22.1162



19.4332, 24.2219, 51.6246



1.8785, 2.4006, 4.8075

Previews

White Background



This preview shows how the XYZ color 48.7047, 35.2546, 12.6253 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 48.7047, 35.2546, 12.6253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

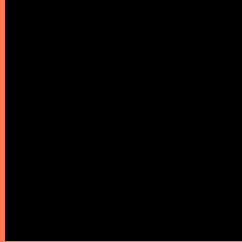
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7047, 35.2546, 12.6253

Background



This preview shows how black text looks on a background with the XYZ color 48.7047, 35.2546, 12.6253.



This preview shows how white text looks on a background with the XYZ color 48.7047, 35.2546,

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

48.7047, 35.2546, 12.6253

Protanopia

32.8540, 35.6017, 16.6955

Deuteranopia

36.0551, 35.3383, 12.1284



Tritanopia

50.9360, 35.2741, 23.5260

Trichromacy



Original Color

48.7047, 35.2546, 12.6253

Protanomaly

37.3113, 34.4951, 15.0476

Deuteranomaly

40.0344, 34.8306, 12.2024

Tritanomaly

49.9193, 35.2021, 18.9155

Monochromacy



Original Color

48.7047, 35.2546, 12.6253

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.7408, 32.7647, 25.5596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7047, 35.2546, 12.6253 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(252, 122, 84)` looks like.

```
.text, #text, p{  
    color:rgb(252, 122, 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(252, 122, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 122, 84) }
```

Border

The CSS property to change the border of an element to XYZ 48.7047, 35.2546, 12.6253 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(252, 122, 84) }
```


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

```
.border{ border-color:rgb(252, 122, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 122, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 122, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 122, 84);  
box-shadow:4px 4px 4px 4px rgb(252, 122,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7047, 35.2546, 12.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 122, 84) }
```

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

```
.background{ background-color: rgb(252,  
122, 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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