

Converting Colors

XYZ(71.3495, 46.7197, 15.4910)

Have a look what the booklet for
XYZ(71.3495, 46.7197, 15.4910)
contains.

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Color

**XYZ(50.0091, 35.7075,
14.3817)**

Conversions

Conversions Part 1

Format	Color
Hex	FF795C
RGB	255, 121, 92
RGB Percent	100%, 47%, 36%
CMY	0.0000, 0.5255, 0.6392
CMYK	0.00, 0.53, 0.64, 0.00
HSL	11°, 100%, 68%
HSV	11°, 64%, 100%
XYZ	50.0091, 35.7075, 14.3817
YIQ	157.7600, 89.1730, 19.3890

Conversions

Conversions Part 2

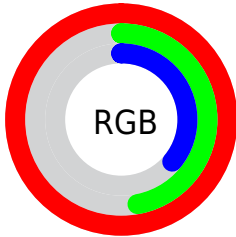
Format	Color
R_{YB}	255, 127, 92
Decimal	16742748
CIE Lab	66.30, 48.93, 40.03
CIE LCh	66, 63.220, 39.291
Yxy	35.7075, 0.4996, 0.3567
Android (android.graphics.Color)	4294932828 (0xFFFF795C)
YUV	157.7600, -32.4197, 85.2795
Hunter-Lab	59.7558, 44.8126, 27.5594

Details

The XYZ color **50.0091, 35.7075, 14.3817** 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 **49.6577, 63.8835, 104.3205**, and the grayscale version is **32.5058, 34.1986, 37.2423**.

A 20% lighter version of the original color is **61.7233, 54.2938, 33.2132**, and **24.2190, 15.4102, 4.1806** is the 20% darker color. If you saturate the color by 10%, you get **46.7996, 30.7825, 8.7071**, and if you desaturate by 10%, it is **54.1488, 41.8933, 22.2168**.

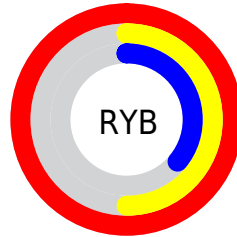
Distribution



Red (100%)

Green (47%)

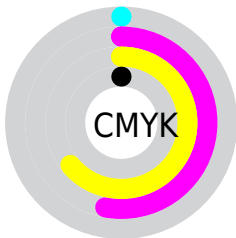
Blue (36%)



Red (100%)

Yellow (50%)

Blue (36%)

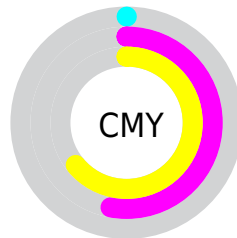


Cyan (0%)

Magenta (53%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0091, 35.7075, 14.3817 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 50.0091, 35.7075, 14.3817 by changing the saturation by 10% instead.


 50.0091, 35.7075,
14.3817


 50.0091, 35.7075,
14.3817


377.1529,
327.6803, 231.1031

 35.6385, 24.2084,
8.2448


 89.3801, 68.5804,
34.4916


 24.3239, 15.4883,
4.1620


 115.1112, 90.7229,
49.3017

 15.7001, 9.1628,
1.7146


 145.3598,
117.1820, 67.8400

 9.4017, 4.8475,
0.3707

 180.4912,
148.3421, 90.5251

 5.0633, 2.1581,
0.0000

220.8709,
184.5876, 117.7753

 2.3196, 0.6970,
0.0000

266.8642,

 0.8047, 0.0000,

226.3029, 150.0094

0.0000

318.8364,
273.8723, 187.6458

■ 0.0000, 0.0000,
0.0000

■ 50.0091, 35.7075,
14.3817

■ 50.0091, 35.7075,
14.3817

■ 46.7996, 30.7825,
8.7071

■ 54.1488, 41.8933,
22.2168

■ 44.4421, 27.0242,
4.9718

■ 59.2829, 49.4135,
32.4003

■ 42.8488, 24.3343,
2.9095

■ 65.4729, 58.3428,
45.1015

■ 42.1926, 23.1657,
2.2476

■ 72.7744, 68.7489,
60.4737

■ 81.2389, 80.6946,
78.6580

90.9148, 94.2396,
99.7852

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



55.1814, 35.7075, 31.0780



50.0091, 35.7075, 14.3817



40.7686, 35.7075, 7.7132

Triad

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



50.0091, 35.7075, 14.3817



19.6376, 35.7075, 23.2455



36.9538, 35.7075, 116.0240

Complementary

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



50.0091, 35.7075, 14.3817



49.6577, 63.8835, 104.3205

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.



27.9180, 35.7075, 110.5653



50.0091, 35.7075, 14.3817



18.9959, 35.7075, 47.8880

Square

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



50.0091, 35.7075, 14.3817



23.6958, 35.7075, 10.9338



21.7430, 35.7075, 81.9487



46.7759, 35.7075, 94.5641

Rectangle

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



50.0091, 35.7075, 14.3817



34.1639, 35.7075, 6.6277



21.7430, 35.7075, 81.9487



33.7149, 35.7075, 117.4347

Sweetspot

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



50.0099, 35.7094, 14.3823



76.7919, 74.4317, 69.0628



59.0473, 34.5065, 76.8254



15.9294, 15.2147, 13.6958



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.



50.0099, 35.7094, 14.3823



45.9870, 29.5053, 7.3616



63.9805, 63.6505, 19.0392



18.2707, 18.5096, 18.7541



22.1218, 12.2549, 1.1995



2.2218, 1.3290, 0.1394

Inverse Universe

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



49.6577, 63.8835, 104.3205



45.4411, 59.3555, 103.6695



32.7941, 30.1562, 98.6993



18.2637, 19.8991, 23.1283



21.5248, 27.9593, 53.6968



2.1645, 2.8596, 5.2512

Previews

White Background



This preview shows how the XYZ color 50.0091, 35.7075, 14.3817 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 50.0091, 35.7075, 14.3817 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 50.0091, 35.7075, 14.3817

Background



This preview shows how black text looks on a background with the XYZ color 50.0091, 35.7075, 14.3817.



This preview shows how white text looks on a background with the XYZ color 50.0091, 35.7075,

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

50.0091, 35.7075, 14.3817

Protanopia

33.2534, 36.0162, 19.1091

Deuteranopia

36.5240, 35.7889, 13.7870



Tritanopia

51.4843, 35.7232, 23.9204

Trichromacy



Original Color

50.0091, 35.7075, 14.3817

Protanomaly

37.7338, 34.6641, 17.2724

Deuteranomaly

40.6479, 35.1107, 13.8672

Tritanomaly

50.8741, 35.6686, 20.1229

Monochromacy



Original Color

50.0091, 35.7075, 14.3817

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.4208, 33.3095, 27.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0091, 35.7075, 14.3817 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, 121, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 92)  
}
```

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, 121, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 92) }
```

Border

The CSS property to change the border of an element to XYZ 50.0091, 35.7075, 14.3817 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, 121, 92) }
```


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

```
.border{ border-color:rgb(255, 121, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 121, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0091, 35.7075, 14.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 92) }
```

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

```
.background{ background-color: rgb(255,  
121, 92) }
```

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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