

Converting Colors

XYZ(45.9478, 33.0892, 14.8723)

Have a look what the booklet for
XYZ(45.9478, 33.0892, 14.8723)
contains.

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Color

**XYZ(45.8522, 33.0162,
14.7826)**

Conversions

Conversions Part 1

Format	Color
Hex	F4765F
RGB	244, 118, 95
RGB Percent	96%, 46%, 37%
CMY	0.0431, 0.5372, 0.6274
CMYK	0.00, 0.52, 0.61, 0.04
HSL	9°, 87%, 66%
HSV	9°, 61%, 96%
XYZ	45.8522, 33.0162, 14.7826
YIQ	153.0520, 82.4790, 19.5590

Conversions

Conversions Part 2

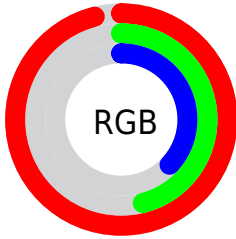
Format	Color
R _Y B	244, 122, 95
Decimal	16021087
CIE Lab	64.17, 46.56, 35.44
CIE LCh	64, 58.517, 37.273
Yxy	33.0162, 0.4896, 0.3525
Android (android.graphics.Color)	4294211167 (0xFFFF4765F)
YUV	153.0520, -28.6196, 79.7614
Hunter-Lab	57.4597, 41.8864, 24.9683

Details

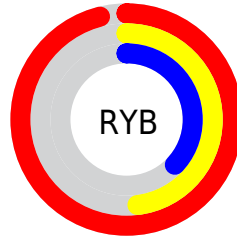
The XYZ color **45.8522, 33.0162, 14.7826** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **46.9030, 60.6736, 94.8265**, and the grayscale version is **30.3975, 31.9805, 34.8268**.

A 20% lighter version of the original color is **61.3719, 53.2225, 34.2324**, and **21.7152, 13.9391, 4.3423** is the 20% darker color. If you saturate the color by 10%, you get **42.7421, 28.3018, 9.1044**, and if you desaturate by 10%, it is **49.8425, 38.9358, 22.4677**.

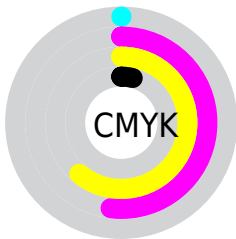
Distribution



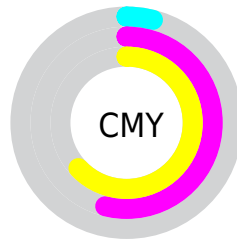
- Red (96%)
- Green (46%)
- Blue (37%)



- Red (96%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (52%)
- Yellow (61%)
- Black (4%)





- Cyan (4%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8522, 33.0162, 14.7826 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 45.8522, 33.0162, 14.7826 by changing the saturation by 10% instead.


 45.8522, 33.0162,
14.7826


 45.8522, 33.0162,
14.7826


360.9400,
315.7227, 233.6418


 32.3333, 22.1389,
8.5220

 83.2270, 64.4008,
35.2082


 21.7730, 13.9590,
4.3382


 107.8136, 85.6769,
50.2104

 13.8059, 8.0921,
1.8127


 136.8202,
111.1880, 68.9635

 8.0666, 4.1540,
0.4363

 170.6121,
141.3185, 91.8860

 4.1897, 1.7601,
0.0000

209.5547,
176.4528, 119.3966

 1.8100, 0.4621,
0.0000

254.0133,

 0.5237, 0.0000,

216.9754, 151.9137

0.0000

304.3533,
263.2706, 189.8560

■ 0.0000, 0.0000,
0.0000

■ 45.8522, 33.0162,
14.7826

■ 45.8522, 33.0162,
14.7826

■ 42.7421, 28.3018,
9.1044

■ 49.8425, 38.9358,
22.4677

■ 40.4411, 24.7037,
5.2425

■ 54.7719, 46.1307,
32.3233

■ 38.8705, 22.1293,
2.9717

■ 60.6967, 54.6718,
44.4978

■ 37.9908, 20.5986,
1.9736

■ 67.6681, 64.6234,
59.1261

■ 75.7338, 76.0454,
76.3329

84.9384, 88.9944,
96.2343

91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



49.9986, 33.0162, 30.4732



45.8522, 33.0162, 14.7826



37.9512, 33.0162, 8.1414

Triad

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



45.8522, 33.0162, 14.7826



18.8543, 33.0162, 21.0386



33.4427, 33.0162, 102.9146

Complementary

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



45.8522, 33.0162, 14.7826



46.9030, 60.6736, 94.8265

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.



25.6164, 33.0162, 96.6408



45.8522, 33.0162, 14.7826



18.0754, 33.0162, 42.0445

Square

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



45.8522, 33.0162, 14.7826



22.6828, 33.0162, 10.4833



20.3282, 33.0162, 71.2925



42.0591, 33.0162, 85.8909

Rectangle

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



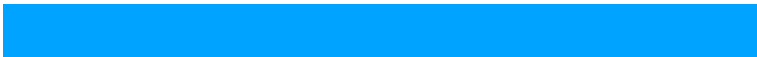
45.8522, 33.0162, 14.7826



32.1453, 33.0162, 6.9114



20.3282, 33.0162, 71.2925



30.6287, 33.0162, 103.5524

Sweetspot

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



45.8530, 33.0180, 14.7832



77.3649, 75.0762, 70.8001



54.5382, 32.6728, 72.2933



16.0291, 15.3166, 14.0291



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.



45.8530, 33.0180, 14.7832



46.6393, 30.3473, 9.0053



58.1903, 57.6927, 18.8956



16.7057, 16.8955, 17.1782



20.7193, 11.3241, 1.0937



1.8813, 1.1157, 0.1162

Inverse Universe

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



46.9030, 60.6736, 94.8265



47.7598, 63.0121, 104.2531



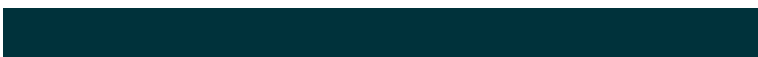
31.5056, 29.8789, 89.6941



16.7660, 18.2963, 21.1904



21.0048, 27.8033, 50.7975



1.9037, 2.5588, 4.4838

Previews

White Background



This preview shows how the XYZ color 45.8522, 33.0162, 14.7826 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 45.8522, 33.0162, 14.7826 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 45.8522, 33.0162, 14.7826

Background



This preview shows how black text looks on a background with the XYZ color 45.8522, 33.0162, 14.7826.



This preview shows how white text looks on a background with the XYZ color 45.8522, 33.0162,

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

45.8522, 33.0162, 14.7826

Protanopia

30.8514, 33.2276, 19.5394

Deuteranopia

33.7858, 33.1633, 14.0716



Tritanopia

47.5362, 33.0326, 22.2828

Trichromacy



Original Color

45.8522, 33.0162, 14.7826

Protanomaly

34.9878, 32.1017, 17.7168

Deuteranomaly

37.5551, 32.6339, 14.2171

Tritanomaly

46.7116, 32.8438, 19.2068

Monochromacy



Original Color

45.8522, 33.0162, 14.7826

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.7926, 30.8612, 26.0055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8522, 33.0162, 14.7826 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, 118, 95)` looks like.

```
.text, #text, p{  
    color:rgb(244, 118, 95)  
}
```

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, 118, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 118, 95) }
```

Border

The CSS property to change the border of an element to XYZ 45.8522, 33.0162, 14.7826 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, 118, 95) }
```


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

```
.border{ border-color:rgb(244, 118, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 118, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 118, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 118, 95);  
box-shadow:4px 4px 4px 4px rgb(244, 118,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8522, 33.0162, 14.7826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 118, 95) }
```

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

```
.background{ background-color: rgb(244,  
118, 95) }
```

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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