

Converting Colors

XYZ(46.1816, 33.2464, 14.4525)

Have a look what the booklet for
XYZ(46.1816, 33.2464, 14.4525)
contains.

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Color

**XYZ(46.1104, 33.1597,
14.3261)**

Conversions

Conversions Part 1

Format	Color
Hex	F5765D
RGB	245, 118, 93
RGB Percent	96%, 46%, 36%
CMY	0.0392, 0.5372, 0.6353
CMYK	0.00, 0.52, 0.62, 0.04
HSL	10°, 88%, 66%
HSV	10°, 62%, 96%
XYZ	46.1104, 33.1597, 14.3261
YIQ	153.1230, 83.7170, 19.1490

Conversions

Conversions Part 2

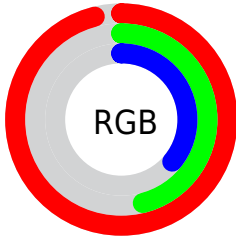
Format	Color
R _Y B	245, 123, 93
Decimal	16086621
CIE Lab	64.29, 46.80, 36.71
CIE LCh	64, 59.478, 38.109
Yxy	33.1597, 0.4927, 0.3543
Android (android.graphics.Color)	4294276701 (0xFFFF5765D)
YUV	153.1230, -29.6406, 80.5761
Hunter-Lab	57.5845, 42.1600, 25.5587

Details

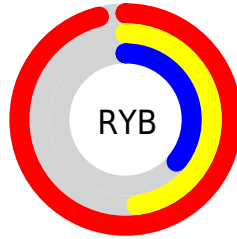
The XYZ color **46.1104, 33.1597, 14.3261** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **46.5868, 60.1021, 95.5311**, and the grayscale version is **30.4324, 32.0173, 34.8668**.

A 20% lighter version of the original color is **61.2176, 53.1608, 33.4201**, and **21.9119, 14.0451, 4.1409** is the 20% darker color. If you saturate the color by 10%, you get **43.0394, 28.4852, 8.7792**, and if you desaturate by 10%, it is **50.0535, 39.0228, 21.8785**.

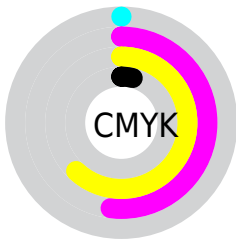
Distribution



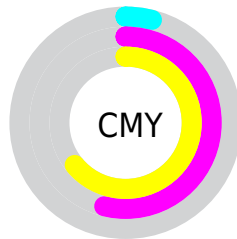
- Red (96%)
- Green (46%)
- Blue (36%)



- Red (96%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (52%)
- Yellow (62%)
- Black (4%)





- Cyan (4%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1104, 33.1597, 14.3261 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 46.1104, 33.1597, 14.3261 by changing the saturation by 10% instead.


 46.1104, 33.1597,
14.3261


 46.1104, 33.1597,
14.3261


361.9608,
316.3687, 230.7487


 32.5379, 22.2488,
8.2065


 83.6110, 64.6248,
34.3920


 21.9303, 14.0398,
4.1377


 108.2699, 85.9478,
49.1753

 13.9220, 8.1484,
1.7012


 137.3550,
111.5102, 67.6836

 8.1478, 4.1900,
0.3615

 171.2317,
141.6966, 90.3354

 4.2422, 1.7804,
0.0000

210.2652,
176.8912, 117.5493

 1.8401, 0.4749,
0.0000

254.8210,

 0.5416, 0.0000,

217.4785, 149.7438

0.0000

305.2644,
263.8429, 187.3374

■ 0.0000, 0.0000,
0.0000

■ 46.1104, 33.1597,
14.3261

■ 46.1104, 33.1597,
14.3261

■ 43.0394, 28.4852,
8.7792

■ 50.0535, 39.0228,
21.8785

■ 40.7694, 24.9118,
5.0427

■ 54.9275, 46.1433,
31.6031


■ 39.2213, 22.3480,
2.8852

■ 60.7885, 54.5910,
43.6510

■ 38.4252, 20.9508,
2.0187

■ 67.6876, 64.4292,
58.1593

■ 75.6724, 75.7168,
75.2544

 84.7872, 88.5096,
95.0540

 91.4659, 98.1524,
108.7323

Harmonies

Analogous

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



50.4974, 33.1597, 29.9301



46.1104, 33.1597, 14.3261



37.9724, 33.1597, 7.8503

Triad

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



46.1104, 33.1597, 14.3261



18.7156, 33.1597, 21.3850



33.8656, 33.1597, 104.5558

Complementary

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



46.1104, 33.1597, 14.3261



46.5868, 60.1021, 95.5311

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.



25.8386, 33.1597, 98.7932



46.1104, 33.1597, 14.3261



18.0117, 33.1597, 43.0762

Square

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



46.1104, 33.1597, 14.3261



22.5145, 33.1597, 10.4714



20.3823, 33.1597, 73.1172



42.6477, 33.1597, 86.4985

Rectangle

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



46.1104, 33.1597, 14.3261



32.0564, 33.1597, 6.7066



20.3823, 33.1597, 73.1172



30.9842, 33.1597, 105.4524

Sweetspot

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



46.1112, 33.1615, 14.3267



76.6262, 74.1003, 69.0076



54.7820, 32.5259, 72.6384



15.8901, 15.1361, 13.6827



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.



46.1112, 33.1615, 14.3267



46.5389, 30.2702, 8.5906



58.4375, 57.8142, 18.4355



16.7194, 16.9228, 17.1828



20.7664, 11.4184, 1.1095



1.8877, 1.1286, 0.1184

Inverse Universe

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



46.5868, 60.1021, 95.5311



46.9605, 61.6757, 104.0373



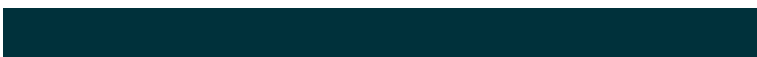
31.3055, 29.5394, 90.4373



16.7510, 18.2664, 21.1855



20.6877, 27.1691, 50.6918



1.8787, 2.5088, 4.4755

Previews

White Background



This preview shows how the XYZ color 46.1104, 33.1597, 14.3261 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 46.1104, 33.1597, 14.3261 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 46.1104, 33.1597, 14.3261

Background



This preview shows how black text looks on a background with the XYZ color 46.1104, 33.1597, 14.3261.



This preview shows how white text looks on a background with the XYZ color 46.1104, 33.1597,

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

46.1104, 33.1597, 14.3261

Protanopia

30.9574, 33.2947, 18.9822

Deuteranopia

33.9536, 33.2594, 13.6470



Tritanopia

47.8879, 33.2139, 22.2993

Trichromacy



Original Color

46.1104, 33.1597, 14.3261

Protanomaly

35.1471, 32.1956, 17.1939

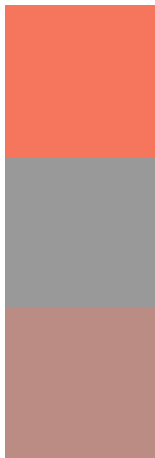
Deuteranomaly

37.7556, 32.7471, 13.7821

Tritanomaly

47.0060, 33.0020, 18.9315

Monochromacy



Original Color

46.1104, 33.1597, 14.3261

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.7245, 30.8340, 25.6468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1104, 33.1597, 14.3261 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(245, 118, 93)` looks like.

```
.text, #text, p{  
    color:rgb(245, 118, 93)  
}
```

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(245, 118, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 118, 93) }
```

Border

The CSS property to change the border of an element to XYZ 46.1104, 33.1597, 14.3261 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(245, 118, 93) }
```


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

```
.border{ border-color:rgb(245, 118, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 118, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 118, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 118, 93);  
box-shadow:4px 4px 4px 4px rgb(245, 118,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1104, 33.1597, 14.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 118, 93) }
```

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

```
.background{ background-color: rgb(245,  
118, 93) }
```

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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