

Converting Colors

XYZ(46.7710, 33.3314, 13.8153)

Have a look what the booklet for
XYZ(46.7710, 33.3314, 13.8153)
contains.

XYZ(46.9610, 33.4344, 13.8759)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.9610, 33.4344,
13.8759)**

Conversions

Conversions Part 1

Format	Color
Hex	F8755B
RGB	248, 117, 91
RGB Percent	97%, 46%, 36%
CMY	0.0275, 0.5411, 0.6431
CMYK	0.00, 0.53, 0.63, 0.03
HSL	10°, 92%, 66%
HSV	10°, 63%, 97%
XYZ	46.9610, 33.4344, 13.8759
YIQ	153.2050, 86.4220, 19.6860

Conversions

Conversions Part 2

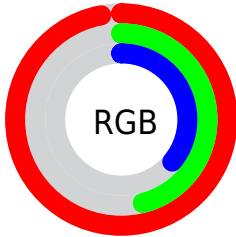
Format	Color
R_{YB}	248, 122, 91
Decimal	16282971
CIE _{Lab}	64.51, 48.25, 38.17
CIE _{LCh}	65, 61.518, 38.346
Yxy	33.4344, 0.4981, 0.3547
Android (android.graphics.Color)	4294473051 (0xFFFF8755B)
YUV	153.2050, -30.6671, 83.1352
Hunter-Lab	57.8225, 43.7809, 26.2477

Details

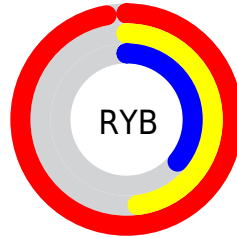
The XYZ color **46.9610, 33.4344, 13.8759** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **47.3768, 61.2398, 98.1298**, and the grayscale version is **30.4718, 32.0587, 34.9119**.

A 20% lighter version of the original color is **60.8750, 52.7180, 32.5583**, and **22.4818, 14.1760, 3.9342** is the 20% darker color. If you saturate the color by 10%, you get **43.9123, 28.7757, 8.4253**, and if you desaturate by 10%, it is **50.8975, 39.3037, 21.3662**.

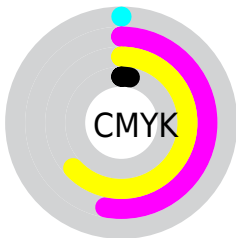
Distribution



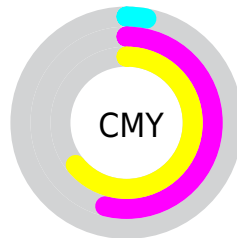
- Red (97%)
- Green (46%)
- Blue (36%)



- Red (97%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (53%)
- Yellow (63%)
- Black (3%)





- Cyan (3%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9610, 33.4344, 13.8759 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 46.9610, 33.4344, 13.8759 by changing the saturation by 10% instead.


 46.9610, 33.4344,
13.8759

 46.9610, 33.4344,
13.8759


365.3103,
317.6026, 227.8589


 33.2126, 22.4594,
7.8966


 84.8745, 65.0531,
33.5826

 22.4494, 14.1949,
3.9421


 109.7704, 86.4657,
48.1472

 14.3059, 8.2563,
1.5936


 139.1128,
112.1263, 66.4105

 8.4169, 4.2594,
0.2863

 173.2671,
142.4192, 88.7913

 4.4169, 1.8197,
0.0000

212.5986,
177.7289, 115.7080

 1.9406, 0.4994,
0.0000

257.4728,

 0.6003, 0.0000,

218.4398, 147.5791

0.0000

308.2549,
264.9362, 184.8233

■ 0.0000, 0.0000,
0.0000

■ 46.9610, 33.4344,
13.8759

■ 46.9610, 33.4344,
13.8759

■ 43.9123, 28.7757,
8.4253

■ 50.8975, 39.3037,
21.3662

■ 41.6771, 25.2366,
4.8093

■ 55.7830, 46.4552,
31.0706

■ 40.1722, 22.7216,
2.7825

■ 61.6761, 54.9613,
43.1469

■ 39.5069, 21.5479,
2.0769

■ 68.6297, 64.8874,
57.7378

■ 76.6930, 76.2946,
74.9747

85.9121, 89.2404,
94.9801

92.5211, 98.6963,
108.7817

Harmonies

Analogous

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



51.6038, 33.4344, 29.8215



46.9610, 33.4344, 13.8759



38.4315, 33.4344, 7.4047

Triad

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



46.9610, 33.4344, 13.8759



18.5168, 33.4344, 21.3058



34.2950, 33.4344, 108.3596

Complementary

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



46.9610, 33.4344, 13.8759



47.3768, 61.2398, 98.1298

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.



25.9412, 33.4344, 102.4625



46.9610, 33.4344, 13.8759



17.8186, 33.4344, 43.8910

Square

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



46.9610, 33.4344, 13.8759



22.4044, 33.4344, 10.1099



20.2813, 33.4344, 75.4451



43.4587, 33.4344, 89.0866

Rectangle

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



46.9610, 33.4344, 13.8759



32.2688, 33.4344, 6.2913



20.2813, 33.4344, 75.4451



31.2930, 33.4344, 109.3816

Sweetspot

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



46.9618, 33.4362, 13.8765



76.6401, 74.1282, 69.0122



55.9679, 32.8449, 74.2310



15.8934, 15.1427, 13.6838



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.



46.9618, 33.4362, 13.8765



46.0288, 29.4812, 7.7076



59.6805, 58.8737, 18.1161



17.4769, 17.6896, 17.9557



21.4087, 11.7740, 1.1443



2.0468, 1.2185, 0.1273

Inverse Universe

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



47.3768, 61.2398, 98.1298



46.3468, 60.9385, 103.9273



31.5289, 29.5440, 92.8471



17.5067, 19.0903, 22.1474



21.2845, 27.9246, 52.2417



2.0342, 2.7122, 4.8595

Previews

White Background



This preview shows how the XYZ color 46.9610, 33.4344, 13.8759 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 46.9610, 33.4344, 13.8759 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 46.9610, 33.4344, 13.8759

Background



This preview shows how black text looks on a background with the XYZ color 46.9610, 33.4344, 13.8759.



This preview shows how white text looks on a background with the XYZ color 46.9610, 33.4344,

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

46.9610, 33.4344, 13.8759

Protanopia

31.2361, 33.7006, 18.4942

Deuteranopia

34.2843, 33.6750, 13.2873



Tritanopia

48.7807, 33.5147, 21.9871

Trichromacy



Original Color

46.9610, 33.4344, 13.8759

Protanomaly

35.3107, 32.2914, 16.6837

Deuteranomaly

37.9602, 32.8621, 13.3591

Tritanomaly

47.8987, 33.3002, 18.6549

Monochromacy



Original Color

46.9610, 33.4344, 13.8759

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.1464, 31.0592, 25.3144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9610, 33.4344, 13.8759 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(248, 117, 91)` looks like.

```
.text, #text, p{  
    color:rgb(248, 117, 91)  
}
```

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(248, 117, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 117, 91) }
```

Border

The CSS property to change the border of an element to XYZ 46.9610, 33.4344, 13.8759 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(248, 117, 91) }
```


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

```
.border{ border-color:rgb(248, 117, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 117, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 117, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 117, 91);  
box-shadow:4px 4px 4px 4px rgb(248, 117,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9610, 33.4344, 13.8759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 117, 91) }
```

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

```
.background{ background-color: rgb(248,  
117, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor