

Converting Colors

XYZ(45.9375, 30.1106, 12.4855)

Have a look what the booklet for
XYZ(45.9375, 30.1106, 12.4855)
contains.

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Color

**XYZ(45.9658, 30.1210,
12.4081)**

Conversions

Conversions Part 1

Format	Color
Hex	FB6357
RGB	251, 99, 87
RGB Percent	98%, 39%, 34%
CMY	0.0157, 0.6117, 0.6588
CMYK	0.00, 0.61, 0.65, 0.02
HSL	4°, 95%, 66%
HSV	4°, 65%, 98%
XYZ	45.9658, 30.1210, 12.4081
YIQ	143.0800, 94.4440, 28.4920

Conversions

Conversions Part 2

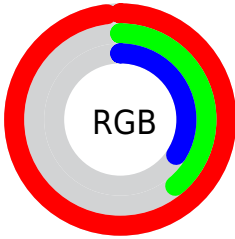
Format	Color
R_{YB}	251, 100, 87
Decimal	16474967
CIE _{Lab}	61.76, 57.30, 37.10
CIE _{LCh}	62, 68.263, 32.923
Yxy	30.1210, 0.5194, 0.3404
Android (android.graphics.Color)	4294665047 (0xFFFB6357)
YUV	143.0800, -27.6474, 94.6458
Hunter-Lab	54.8826, 53.4545, 25.0133

Details

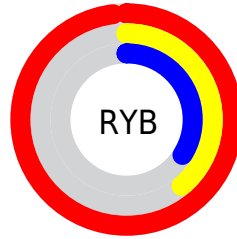
The XYZ color **45.9658, 30.1210, 12.4081** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **52.2070, 70.7191, 102.1648**, and the grayscale version is **26.2221, 27.5877, 30.0430**.

A 20% lighter version of the original color is **57.4767, 46.5088, 29.6147**, and **21.8981, 12.3690, 3.3311** is the 20% darker color. If you saturate the color by 10%, you get **43.2173, 25.9900, 7.2820**, and if you desaturate by 10%, it is **49.7066, 35.6670, 19.6233**.

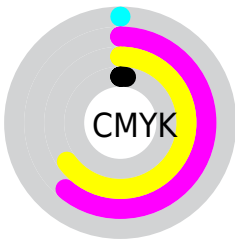
Distribution



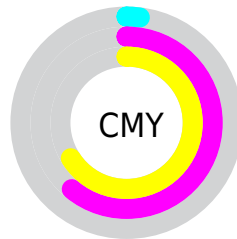
- Red (98%)
- Green (39%)
- Blue (34%)



- Red (98%)
- Yellow (39%)
- Blue (34%)



- Cyan (0%)
- Magenta (61%)
- Yellow (65%)
- Black (2%)





- Cyan (2%)
- Magenta (61%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9658, 30.1210, 12.4081 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 45.9658, 30.1210, 12.4081 by changing the saturation by 10% instead.


 45.9658, 30.1210,
12.4081


 45.9658, 30.1210,
12.4081


361.3894,
302.4681, 218.1615


 32.4233, 19.9304,
6.8963


 83.3960, 59.8535,
30.9117

 21.8422, 12.3445,
3.3199


 108.0144, 80.1642,
44.7406


 13.8569, 6.9787,
1.2602


 137.0556,
104.6171, 62.1789

 8.1023, 3.4488,
0.0288

 170.8848,
133.5966, 83.6453

 4.2128, 1.3703,
0.0000

 209.8674,
167.4870, 109.5582

 1.8232, 0.1947,
0.0000

254.3688,

 0.5316, 0.0000,

206.6728, 140.3362

0.0000

304.7544,
251.5383, 176.3978

■ 0.0000, 0.0000,
0.0000

■ 45.9658, 30.1210,
12.4081

■ 45.9658, 30.1210,
12.4081

■ 43.2173, 25.9900,
7.2820

■ 49.7066, 35.6670,
19.6233

■ 41.3640, 23.1410,
4.0205

■ 54.5203, 42.7352,
29.1177

■ 40.2928, 21.4246,
2.3500

■ 60.4818, 51.4284,
41.0617

■ 40.0059, 20.9541,
1.9360

■ 67.6583, 61.8387,
55.6090

■ 76.1123, 74.0517,
72.9009

85.9016, 88.1471,
93.0682

93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



49.8934, 30.1210, 30.3076



45.9658, 30.1210, 12.4081



37.3525, 30.1210, 5.3569

Triad

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



45.9658, 30.1210, 12.4081



15.7075, 30.1210, 14.8698



29.5305, 30.1210, 112.5840

Complementary

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



45.9658, 30.1210, 12.4081



52.2070, 70.7191, 102.1648

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.



21.3821, 30.1210, 100.6831



45.9658, 30.1210, 12.4081



14.4717, 30.1210, 35.4184

Square

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



45.9658, 30.1210, 12.4081



20.1352, 30.1210, 6.1571



16.3130, 30.1210, 68.2560



39.2279, 30.1210, 95.3824

Rectangle

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



45.9658, 30.1210, 12.4081



30.8387, 30.1210, 3.9707



16.3130, 30.1210, 68.2560



26.5276, 30.1210, 111.8654

Sweetspot

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



45.9665, 30.1227, 12.4086



74.6302, 70.6019, 66.8208



58.9297, 33.6209, 85.8732



15.4552, 14.3621, 13.2424



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.



45.9665, 30.1227, 12.4086



44.1882, 26.0103, 6.4457



57.8116, 53.8129, 16.3570



17.3467, 17.4292, 17.9123



21.0665, 11.0897, 1.0302



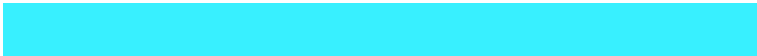
1.9854, 1.0957, 0.1069

Inverse Universe

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



52.2070, 70.7191, 102.1648



50.9751, 70.6409, 105.5561



33.5814, 33.4679, 95.9563



17.6507, 19.3782, 22.1954



24.4600, 34.2755, 53.3002



2.2970, 3.2376, 4.9470

Previews

White Background



This preview shows how the XYZ color 45.9658, 30.1210, 12.4081 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 45.9658, 30.1210, 12.4081 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 45.9658, 30.1210, 12.4081

Background



This preview shows how black text looks on a background with the XYZ color 45.9658, 30.1210, 12.4081.



This preview shows how white text looks on a background with the XYZ color 45.9658, 30.1210,

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

45.9658, 30.1210, 12.4081

Protanopia

28.0469, 30.1126, 17.9697

Deuteranopia

30.7622, 30.2767, 11.6198



Tritanopia

46.8678, 30.2241, 16.1956

Trichromacy



Original Color

45.9658, 30.1210, 12.4081

Protanomaly

32.6166, 28.6028, 15.6062

Deuteranomaly

35.1248, 29.1978, 11.7671

Tritanomaly

46.6702, 30.2939, 14.6968

Monochromacy



Original Color

45.9658, 30.1210, 12.4081

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.4559, 26.5539, 22.2591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9658, 30.1210, 12.4081 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(251, 99, 87)` looks like.

```
.text, #text, p{  
    color:rgb(251, 99, 87)  
}
```

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(251, 99, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 99, 87) }
```

Border

The CSS property to change the border of an element to XYZ 45.9658, 30.1210, 12.4081 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(251, 99, 87) }
```


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

```
.border{ border-color:rgb(251, 99, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 99, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 99, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 99, 87);  
box-shadow:4px 4px 4px 4px rgb(251, 99,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9658, 30.1210, 12.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 99, 87) }
```

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

```
.background{ background-color: rgb(251, 99,  
87) }
```

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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