

Converting Colors

XYZ(45.8820, 33.0343, 8.0959)

Have a look what the booklet for
XYZ(45.8820, 33.0343, 8.0959)
contains.

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Color

**XYZ(45.8621, 32.9948,
8.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	F8753B
RGB	248, 117, 59
RGB Percent	97%, 46%, 23%
CMY	0.0275, 0.5411, 0.7686
CMYK	0.00, 0.53, 0.76, 0.03
HSL	18°, 93%, 60%
HSV	18°, 76%, 97%
XYZ	45.8621, 32.9948, 8.0891
YIQ	149.5570, 96.6940, 9.7340

Conversions

Conversions Part 2

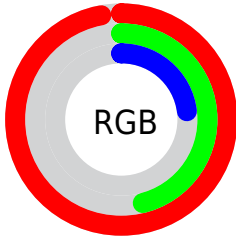
Format	Color
R _{YB}	248, 143, 59
Decimal	16282939
CIE Lab	64.16, 46.67, 54.12
CIE LCh	64, 71.465, 49.231
Yxy	32.9948, 0.5275, 0.3795
Android (android.graphics.Color)	4294473019 (0xFFFF8753B)
YUV	149.5570, -44.6446, 86.3345
Hunter-Lab	57.4411, 41.9960, 31.8593

Details

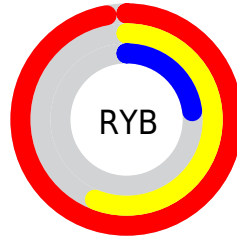
The XYZ color **45.8621, 32.9948, 8.0891** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **37.1588, 44.5309, 95.4431**, and the grayscale version is **28.9572, 30.4652, 33.1766**.

A 20% lighter version of the original color is **58.8070, 51.8908, 21.6683**, and **21.8629, 13.9898, 1.6629** is the 20% darker color. If you saturate the color by 10%, you get **43.5427, 29.1528, 4.8608**, and if you desaturate by 10%, it is **48.8559, 37.6979, 13.0483**.

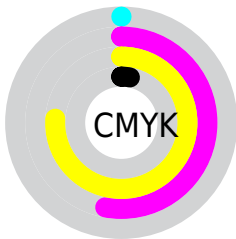
Distribution



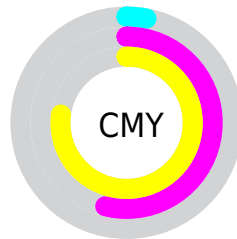
- Red (97%)
- Green (46%)
- Blue (23%)



- Red (97%)
- Yellow (56%)
- Blue (23%)



- Cyan (0%)
- Magenta (53%)
- Yellow (76%)
- Black (3%)





- Cyan (3%)
- Magenta (54%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8621, 32.9948, 8.0891 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 45.8621, 32.9948, 8.0891 by changing the saturation by 10% instead.


 45.8621, 32.9948,
8.0891


 45.8621, 32.9948,
8.0891


360.9792,
315.6263, 186.3898

 32.3412, 22.1225,
4.0634

 83.2417, 64.3674,
22.6820


 21.7790, 13.9469,
1.6602


 107.8311, 85.6365,
34.0863

 13.8103, 8.0837,
0.3332


 136.8407,
111.1399, 48.7872

 8.0697, 4.1486,
0.0000

 170.6359,
141.2621, 67.2032

 4.1917, 1.7570,
0.0000

 209.5819,
176.3874, 89.7530

 1.8112, 0.4602,
0.0000

 254.0443,

 0.5244, 0.0000,

216.9003, 116.8550

0.0000

304.3883,
263.1851, 148.9277

■ 0.0000, 0.0000,
0.0000

■ 45.8621, 32.9948,
8.0891

■ 45.8621, 32.9948,
8.0891

■ 43.5427, 29.1528,
4.8608

■ 48.8559, 37.6979,
13.0483

■ 41.8278, 26.1072,
3.1046

■ 52.5787, 43.3093,
19.9441

■ 41.3035, 25.1411,
2.6758

■ 57.0813, 49.8784,
28.9550

■ 62.4088, 57.4495,
40.2383

■ 68.6027, 66.0637,
53.9363

75.7015, 75.7599,
70.1796

83.7412, 86.5747,
89.0894

92.3668, 98.3876,
108.7302

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.



53.5571, 32.9948, 20.5177



45.8621, 32.9948, 8.0891



35.1391, 32.9948, 4.2785

Triad

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



45.8621, 32.9948, 8.0891



15.8646, 32.9948, 26.4859



38.2170, 32.9948, 118.4237

Complementary

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



45.8621, 32.9948, 8.0891



37.1588, 44.5309, 95.4431

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.



27.8631, 32.9948, 123.2009



45.8621, 32.9948, 8.0891



16.3411, 32.9948, 57.5871

Square

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



45.8621, 32.9948, 8.0891



18.8106, 32.9948, 10.4378



20.2920, 32.9948, 96.8235



48.5282, 32.9948, 85.9927

Rectangle

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



45.8621, 32.9948, 8.0891



28.3413, 32.9948, 4.2159



20.2920, 32.9948, 96.8235



34.5870, 32.9948, 123.7926

Sweetspot

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



45.8628, 32.9966, 8.0897



75.3791, 73.5323, 62.6539



49.7122, 26.8592, 52.0277



15.5762, 14.9719, 12.1484



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.



45.8628, 32.9966, 8.0897



45.4120, 29.3574, 4.0810



62.5965, 66.4640, 13.6676



17.6791, 18.0940, 18.0231



22.4207, 13.7981, 1.4816



2.1660, 1.4569, 0.1670

Inverse Universe

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



37.1588, 44.5309, 95.4431



35.4970, 41.5912, 100.7647



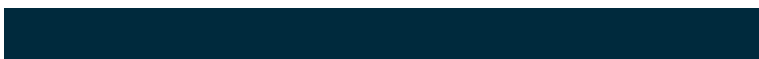
23.0032, 16.2198, 90.7246



17.2900, 18.6568, 22.0751



17.2402, 19.8359, 50.8936



1.6905, 2.0247, 4.7449

Previews

White Background



This preview shows how the XYZ color 45.8621, 32.9948, 8.0891 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 45.8621, 32.9948, 8.0891 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 45.8621, 32.9948, 8.0891

Background



This preview shows how black text looks on a background with the XYZ color 45.8621, 32.9948, 8.0891.



This preview shows how white text looks on a background with the XYZ color 45.8621, 32.9948,

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

45.8621, 32.9948, 8.0891

Protanopia

30.2275, 33.1034, 10.5908

Deuteranopia

33.6713, 33.0122, 7.6149



Tritanopia

48.6296, 32.9691, 20.9401

Trichromacy



Original Color

45.8621, 32.9948, 8.0891

Protanomaly

34.4758, 32.0187, 9.5174

Deuteranomaly

37.3198, 32.4445, 7.6636

Tritanomaly

47.4871, 32.9973, 15.1755

Monochromacy



Original Color

45.8621, 32.9948, 8.0891

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.5491, 29.9004, 20.8855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8621, 32.9948, 8.0891 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(248, 117, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 117, 59) }
```

Border

The CSS property to change the border of an element to XYZ 45.8621, 32.9948, 8.0891 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, 59) }
```


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

```
.border{ border-color:rgb(248, 117, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 117, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 117, 59);  
box-shadow:4px 4px 4px 4px rgb(248, 117,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8621, 32.9948, 8.0891 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, 59) }
```

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

```
.background{ background-color: rgb(248,  
117, 59) }
```

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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