

Converting Colors

XYZ(50.3776, 41.2125, 12.1010)

Have a look what the booklet for
XYZ(50.3776, 41.2125, 12.1010)
contains.

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Color

**XYZ(50.4496, 41.3457,
12.1590)**

Conversions

Conversions Part 1

Format	Color
Hex	F8934C
RGB	248, 147, 76
RGB Percent	97%, 58%, 30%
CMY	0.0275, 0.4235, 0.7020
CMYK	0.00, 0.41, 0.69, 0.03
HSL	25°, 92%, 64%
HSV	25°, 69%, 97%
XYZ	50.4496, 41.3457, 12.1590
YIQ	169.1050, 82.9870, -0.6690

Conversions

Conversions Part 2

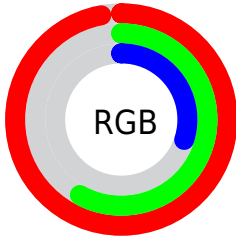
Format	Color
R _Y B	248, 197, 76
Decimal	16290636
CIE Lab	70.42, 32.34, 52.68
CIE LCh	70, 61.821, 58.453
Yxy	41.3457, 0.4853, 0.3977
Android (android.graphics.Color)	4294480716 (0xFFFF8934C)
YUV	169.1050, -45.9008, 69.1909
Hunter-Lab	64.3006, 27.5232, 33.7989

Details

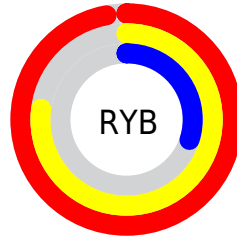
The XYZ color **50.4496, 41.3457, 12.1590** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **35.6448, 39.7557, 94.6012**, and the grayscale version is **37.9565, 39.9332, 43.4872**.

A 20% lighter version of the original color is **66.2568, 65.0596, 29.4877**, and **24.5068, 18.6895, 3.1799** is the 20% darker color. If you saturate the color by 10%, you get **47.6249, 36.8207, 7.7524**, and if you desaturate by 10%, it is **53.8949, 46.5811, 18.4116**.

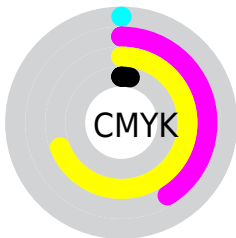
Distribution



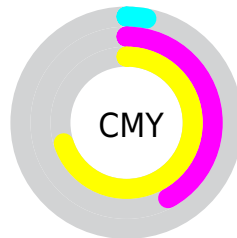
- Red (97%)
- Green (58%)
- Blue (30%)



- Red (97%)
- Yellow (77%)
- Blue (30%)



- Cyan (0%)
- Magenta (41%)
- Yellow (69%)
- Black (3%)



- Cyan (3%)
- Magenta (42%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4496, 41.3457, 12.1590 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 50.4496, 41.3457, 12.1590 by changing the saturation by 10% instead.

50.4496, 41.3457,
12.1590

50.4496, 41.3457,
12.1590

378.8445,
351.7634, 216.4702

35.9900, 28.5893,
6.7282

90.0285, 77.2084,
30.4531

24.5966, 18.7704,
3.2169

115.8786,
101.0835, 44.1534

15.9039, 11.5045,
1.2064

146.2561,
129.4336, 61.4474

9.5466, 6.4072,
0.0000

181.5266,
162.6432, 82.7535

5.1593, 3.0942,
0.0000

222.0553,
201.0965, 108.4903

2.3768, 1.1811,
0.0000

268.2077,

0.8335, 0.0462,

245.1781, 139.0763

0.0000

320.3489,
295.2722, 174.9301

■ 0.0000, 0.0000,
0.0000

■ 50.4496, 41.3457,
12.1590

■ 50.4496, 41.3457,
12.1590

■ 47.6249, 36.8207,
7.7524

■ 53.8949, 46.5811,
18.4116

■ 45.3668, 32.9622,
4.9723

■ 58.0024, 52.5545,
26.6912


■ 43.6022, 29.7245,
3.4853


■ 62.8124, 59.2990,
37.1594


■ 43.5000, 29.5341,
3.4080

■ 68.3611, 66.8439,
49.9606

■ 74.6817, 75.2166,
65.2267

 81.8053, 84.4430,
83.0799

 89.7611, 94.5478,
103.6338

 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.



59.1332, 41.3457, 23.2503



50.4496, 41.3457, 12.1590



39.8284, 41.3457, 9.0235

Triad

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



50.4496, 41.3457, 12.1590



22.8041, 41.3457, 43.5226



49.3767, 41.3457, 114.4449

Complementary

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



50.4496, 41.3457, 12.1590



35.6448, 39.7557, 94.6012

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.



38.7720, 41.3457, 127.4809



50.4496, 41.3457, 12.1590



24.4830, 41.3457, 77.3422

Square

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



50.4496, 41.3457, 12.1590



24.8703, 41.3457, 21.6041



29.9239, 41.3457, 111.6503



58.4423, 41.3457, 81.1618

Rectangle

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



50.4496, 41.3457, 12.1590



33.4242, 41.3457, 10.0393



29.9239, 41.3457, 111.6503



45.8222, 41.3457, 121.8401

Sweetspot

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



50.4506, 41.3479, 12.1598



78.3724, 78.5717, 66.5715



49.4527, 28.3883, 45.6272



16.3668, 16.2794, 13.2556



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.



50.4506, 41.3479, 12.1598



49.7619, 37.5958, 6.9533



68.5355, 77.5178, 18.1881



17.8332, 18.4022, 18.0745



23.6293, 16.2152, 1.8844



2.2901, 1.7051, 0.2084

Inverse Universe

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



35.6448, 39.7557, 94.6012



32.9945, 35.6082, 99.7418



23.8559, 16.1780, 90.6716



17.1301, 18.3370, 22.0218



14.8153, 14.9862, 50.0853



1.4766, 1.5969, 4.6736

Previews

White Background



This preview shows how the XYZ color 50.4496, 41.3457, 12.1590 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 50.4496, 41.3457, 12.1590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

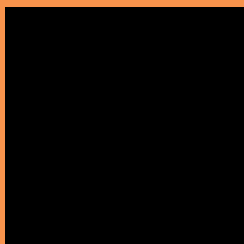
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.4496, 41.3457, 12.1590

Background



This preview shows how black text looks on a background with the XYZ color 50.4496, 41.3457, 12.1590.



This preview shows how white text looks on a background with the XYZ color 50.4496, 41.3457,

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

50.4496, 41.3457, 12.1590

Protanopia

38.0297, 41.6036, 14.4134

Deuteranopia

42.1767, 41.3149, 11.8825



Tritanopia

54.8023, 41.3306, 33.5230

Trichromacy



Original Color

50.4496, 41.3457, 12.1590

Protanomaly

41.9120, 41.1420, 13.5168

Deuteranomaly

44.7935, 41.1035, 11.8762

Tritanomaly

52.9695, 41.2604, 23.5846

Monochromacy



Original Color

50.4496, 41.3457, 12.1590

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.4067, 39.2448, 28.3670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4496, 41.3457, 12.1590 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, 147, 76)` looks like.

```
.text, #text, p{  
    color:rgb(248, 147, 76)  
}
```

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, 147, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 147, 76) }
```

Border

The CSS property to change the border of an element to XYZ 50.4496, 41.3457, 12.1590 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, 147, 76) }
```


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

```
.border{ border-color:rgb(248, 147, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 147, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 147, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 147, 76);  
box-shadow:4px 4px 4px 4px rgb(248, 147,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4496, 41.3457, 12.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 147, 76) }
```

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

```
.background{ background-color: rgb(248,  
147, 76) }
```

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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