

Converting Colors

XYZ(58.4124, 50.4820, 23.5000)

Have a look what the booklet for
XYZ(58.4124, 50.4820, 23.5000)
contains.

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Color

**XYZ(58.4535, 50.5496,
23.5058)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA875
RGB	255, 168, 117
RGB Percent	100%, 66%, 46%
CMY	0.0000, 0.3411, 0.5412
CMYK	0.00, 0.34, 0.54, 0.00
HSL	22°, 100%, 73%
HSV	22°, 54%, 100%
XYZ	58.4535, 50.5496, 23.5058
YIQ	188.1990, 68.2230, 2.5830

Conversions

Conversions Part 2

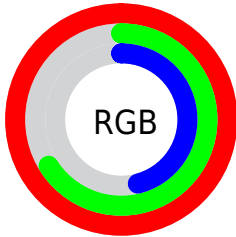
Format	Color
RYB	255, 198, 117
Decimal	16754805
CIELab	76.41, 26.90, 39.34
CIELCh	76, 47.660, 55.636
Yxy	50.5496, 0.4411, 0.3815
Android (android.graphics.Color)	4294944885 (0xFFFFA875)
YUV	188.1990, -35.1011, 58.5845
Hunter-Lab	71.0982, 22.3321, 30.1669

Details

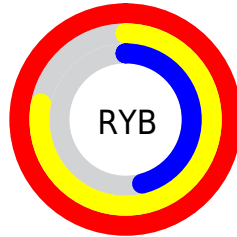
The XYZ color **58.4535, 50.5496, 23.5058** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.9777, 54.1850, 102.5901**, and the grayscale version is **48.0804, 50.5844, 55.0864**.

A 20% lighter version of the original color is **75.1514, 77.4736, 49.0232**, and **29.6495, 24.2688, 8.4318** is the 20% darker color. If you saturate the color by 10%, you get **54.3671, 44.4583, 15.7272**, and if you desaturate by 10%, it is **63.3176, 57.5430, 33.5588**.

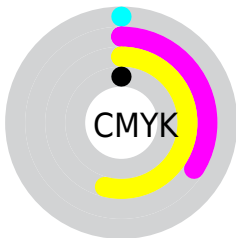
Distribution



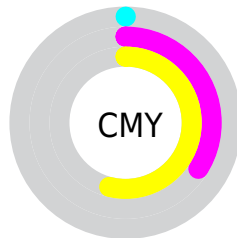
- Red (100%)
- Green (66%)
- Blue (46%)



- Red (100%)
- Yellow (78%)
- Blue (46%)



- Cyan (0%)
- Magenta (34%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4535, 50.5496, 23.5058 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 58.4535, 50.5496, 23.5058 by changing the saturation by 10% instead.


 58.4535, 50.5496,
23.5058

 58.4535, 50.5496,
23.5058


408.8003,
388.8113, 283.5180


 42.4180, 35.8503,
14.7586

 101.7021, 90.9887,
50.1562

 29.6213, 24.3186,
8.5054


 129.6460,
117.4972, 68.8965

 19.6980, 15.5701,
4.3276


 162.2901,
148.7109, 91.8050

 12.2827, 9.2205,
1.8068

199.9996,
185.0142, 119.3001

 7.0101, 4.8853,
0.4324

243.1401,
226.7916, 151.8004

 3.5148, 2.1801,
0.0000

292.0768,

 1.4315, 0.7091,

274.4272, 189.7245

0.0000

347.1751,
328.3057, 233.4908

■ 0.2785, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4535, 50.5496,
23.5058

■ 58.4535, 50.5496,
23.5058

■ 54.3671, 44.4583,
15.7272

■ 63.3176, 57.5430,
33.5588

■ 51.0073, 39.2214,
10.0366

■ 68.9985, 65.4683,
46.0466

■ 48.3217, 34.7971,
6.2222

■ 75.5368, 74.3632,
61.1182

■ 46.2470, 31.1362,
4.0244

■ 82.9692, 84.2605,
78.9098

45.2648, 29.3099,
3.2717

91.3301, 95.1918,
99.5479

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



65.3332, 50.5496, 36.3159



58.4535, 50.5496, 23.5058



49.3703, 50.5496, 19.0183

Triad

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



58.4535, 50.5496, 23.5058



32.8188, 50.5496, 51.3660



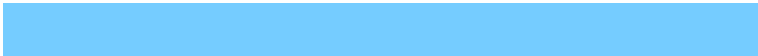
55.9009, 50.5496, 112.6628

Complementary

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



58.4535, 50.5496, 23.5058



46.9777, 54.1850, 102.5901

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.



46.7453, 50.5496, 120.4431



58.4535, 50.5496, 23.5058



34.1135, 50.5496, 79.2958

Square

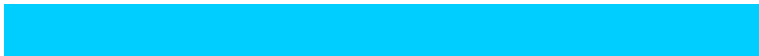
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.4535, 50.5496, 23.5058



35.1688, 50.5496, 31.6017



38.9533, 50.5496, 106.7110



63.7355, 50.5496, 87.8939

Rectangle

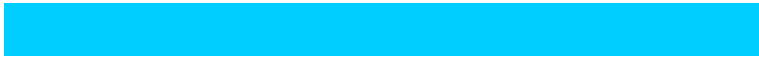
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4535, 50.5496, 23.5058



43.5457, 50.5496, 19.8599



38.9533, 50.5496, 106.7110



52.8459, 50.5496, 117.6258

Sweetspot

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



58.4547, 50.5521, 23.5068



81.5000, 82.3190, 75.3460



58.5485, 38.3617, 61.6975



17.1085, 17.1742, 15.3177



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.



58.4547, 50.5521, 23.5068



54.0420, 43.9622, 15.1436



74.6192, 82.8812, 28.8949



18.5592, 19.0866, 18.8502



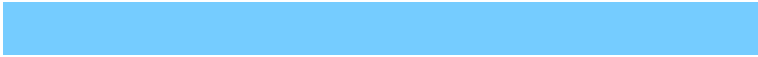
23.7822, 15.5757, 1.7529



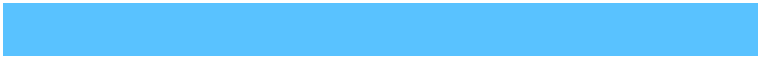
2.4158, 1.7170, 0.2041

Inverse Universe

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



46.9777, 54.1850, 102.5901



41.4272, 47.8229, 101.6550



34.1063, 28.4421, 98.2996



17.9575, 19.2865, 23.0262



16.2158, 17.3412, 51.9271



1.6834, 1.8976, 5.0908

Previews

White Background



This preview shows how the XYZ color 58.4535, 50.5496, 23.5058 looks on a white background.

Color Contrast Check

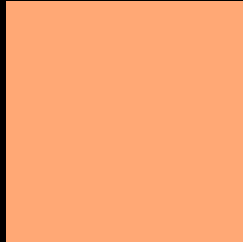
Large Text (above 18pt) WCAG AA × Fail

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 58.4535, 50.5496, 23.5058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

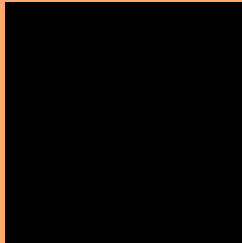
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4535, 50.5496, 23.5058

Background



This preview shows how black text looks on a background with the XYZ color 58.4535, 50.5496, 23.5058.



This preview shows how white text looks on a background with the XYZ color 58.4535, 50.5496,

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

58.4535, 50.5496, 23.5058

Protanopia

47.0761, 50.8550, 26.7369

Deuteranopia

51.6716, 50.5154, 22.9467



Tritanopia

61.9772, 50.5104, 46.5273

Trichromacy



Original Color

58.4535, 50.5496, 23.5058

Protanomaly

50.4682, 50.1409, 25.4305

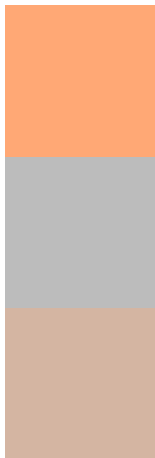
Deuteranomaly

53.8797, 50.4656, 23.1207

Tritanomaly

60.4449, 50.4702, 36.6929

Monochromacy



Original Color

58.4535, 50.5496, 23.5058

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

50.1968, 49.6534, 41.1208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4535, 50.5496, 23.5058 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(255, 168, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 117)  
}
```

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(255, 168, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 117) }
```

Border

The CSS property to change the border of an element to XYZ 58.4535, 50.5496, 23.5058 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(255, 168, 117) }
```


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

```
.border{ border-color:rgb(255, 168, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4535, 50.5496, 23.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 117) }
```

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

```
.background{ background-color: rgb(255,  
168, 117) }
```

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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