

Converting Colors

XYZ(57.4044, 41.2009, 18.6512)

Have a look what the booklet for
XYZ(57.4044, 41.2009, 18.6512)
contains.

XYZ(51.8242, 38.2659, 18.2903)	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(51.8242, 38.2659,
18.2903)**

Conversions

Conversions Part 1

Format	Color
Hex	FF826A
RGB	255, 130, 106
RGB Percent	100%, 51%, 42%
CMY	0.0000, 0.4902, 0.5843
CMYK	0.00, 0.49, 0.58, 0.00
HSL	10°, 100%, 71%
HSV	10°, 58%, 100%
XYZ	51.8242, 38.2659, 18.2903
YIQ	164.6390, 82.2040, 19.0360

Conversions

Conversions Part 2

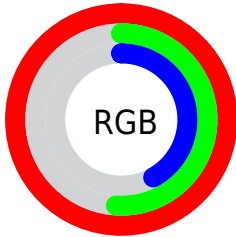
Format	Color
R _Y B	255, 135, 106
Decimal	16745066
CIE Lab	68.22, 45.48, 34.85
CIE LCh	68, 57.293, 37.462
Yxy	38.2659, 0.4782, 0.3531
Android (android.graphics.Color)	4294935146 (0xFFFF826A)
YUV	164.6390, -28.9090, 79.2466
Hunter-Lab	61.8594, 41.2886, 25.7710

Details

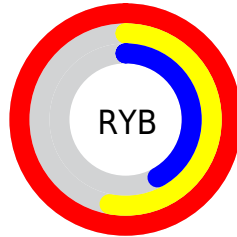
The XYZ color **51.8242, 38.2659, 18.2903** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **52.5679, 67.4321, 104.8525**, and the grayscale version is **35.6989, 37.5580, 40.9007**.

A 20% lighter version of the original color is **64.7605, 58.4265, 40.2120**, and **25.4099, 16.9507, 5.9355** is the 20% darker color. If you saturate the color by 10%, you get **48.1342, 32.7022, 11.4621**, and if you desaturate by 10%, it is **56.5016, 45.1742, 27.3928**.

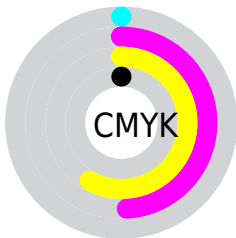
Distribution



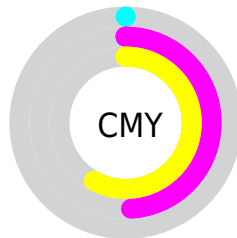
- Red (100%)
- Green (51%)
- Blue (42%)



- Red (100%)
- Yellow (53%)
- Blue (42%)



- Cyan (0%)
- Magenta (49%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8242, 38.2659, 18.2903 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 51.8242, 38.2659, 18.2903 by changing the saturation by 10% instead.


 51.8242, 38.2659,
18.2903


 51.8242, 38.2659,
18.2903


384.0927,
338.7592, 254.7931

 37.0887, 26.1891,
10.9870

 92.0477, 72.5155,
41.3520


 25.4501, 16.9652,
5.9440


 118.2663, 95.4571,
57.9474

 16.5433, 10.2097,
2.7428


 149.0434,
122.7892, 78.4774

 10.0027, 5.5382,
0.9649

 184.7443,
154.8960, 103.3603

 5.4630, 2.5664,
0.0000

225.7343,
192.1620, 133.0148

 2.5589, 0.9098,
0.0000

272.3788,

 0.9251, 0.0000,

234.9716, 167.8594

0.0000

325.0431,
283.7093, 208.3127

■ 0.0000, 0.0000,
0.0000

■ 51.8242, 38.2659,
18.2903

■ 51.8242, 38.2659,
18.2903

■ 48.1342, 32.7022,
11.4621

■ 56.5016, 45.1742,
27.3928

■ 45.3559, 28.3887,
6.7036

■ 62.2292, 53.5012,
38.9457

■ 43.4064, 25.2282,
3.7769

■ 69.0676, 63.3228,
53.1103

■ 42.1790, 23.1032,
2.3512

■ 77.0719, 74.7075,
70.0331

■ 42.0357, 22.8517,
2.1953

■ 86.2935, 87.7198,
89.8501

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.



56.2577, 38.2659, 35.5827



51.8242, 38.2659, 18.2903



43.3789, 38.2659, 10.6964

Triad

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



51.8242, 38.2659, 18.2903



22.6707, 38.2659, 25.4755



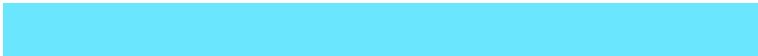
38.6532, 38.2659, 112.1956

Complementary

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



51.8242, 38.2659, 18.2903



52.5679, 67.4321, 104.8525

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.



30.1609, 38.2659, 105.8371



51.8242, 38.2659, 18.2903



21.8280, 38.2659, 48.4038

Square

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



51.8242, 38.2659, 18.2903



26.8694, 38.2659, 13.4977



24.3420, 38.2659, 79.4387



47.8828, 38.2659, 94.3552

Rectangle

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



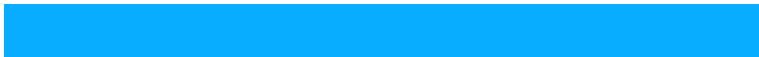
51.8242, 38.2659, 18.2903



37.1386, 38.2659, 9.2635



24.3420, 38.2659, 79.4387



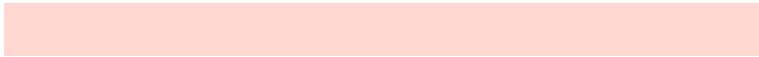
35.6132, 38.2659, 112.9119

Sweetspot

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



51.8251, 38.2679, 18.2910



77.4440, 75.2344, 70.8265



61.0520, 37.4314, 80.8360



16.0480, 15.3545, 14.0354



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.



51.8251, 38.2679, 18.2910



47.6401, 31.9450, 10.5841



65.1620, 64.9417, 22.7366



18.2457, 18.4596, 18.7457



22.0339, 12.0791, 1.1702



2.2096, 1.3046, 0.1354

Inverse Universe

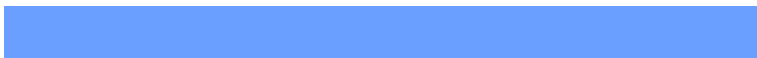
The Inverse Universe completely reimagines the original color for something new.



52.5679, 67.4321, 104.8525



48.3320, 63.3004, 104.2786



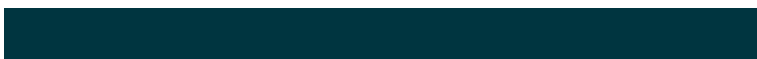
36.2465, 34.7894, 99.4120



18.2910, 19.9536, 23.1373



22.0780, 29.0655, 53.8812



2.2133, 2.9574, 5.2674

Previews

White Background



This preview shows how the XYZ color 51.8242, 38.2659, 18.2903 looks on a white background.

Color Contrast Check

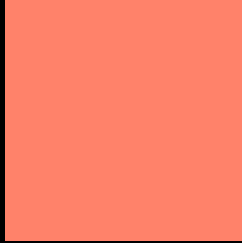
Large Text (above 18pt) WCAG AA × Fail

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 51.8242, 38.2659, 18.2903 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 51.8242, 38.2659, 18.2903

Background



This preview shows how black text looks on a background with the XYZ color 51.8242, 38.2659, 18.2903.



This preview shows how white text looks on a background with the XYZ color 51.8242, 38.2659,

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

51.8242, 38.2659, 18.2903

Protanopia

35.8603, 38.6016, 23.6500

Deuteranopia

39.1042, 38.2924, 17.6421



Tritanopia

53.2733, 38.2163, 27.8612

Trichromacy



Original Color

51.8242, 38.2659, 18.2903

Protanomaly

40.4401, 37.6376, 21.6563

Deuteranomaly

42.8569, 37.5312, 17.8174

Tritanomaly

52.6608, 38.1790, 23.9958

Monochromacy



Original Color

51.8242, 38.2659, 18.2903

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.5510, 36.4759, 31.3415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8242, 38.2659, 18.2903 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, 130, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 106)  
}
```

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, 130, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 106) }
```

Border

The CSS property to change the border of an element to XYZ 51.8242, 38.2659, 18.2903 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, 130, 106) }
```


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

```
.border{ border-color:rgb(255, 130, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8242, 38.2659, 18.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 106) }
```

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

```
.background{ background-color: rgb(255,  
130, 106) }
```

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