

# Converting Colors

XYZ(55.4676, 39.8321, 20.8430)

Have a look what the booklet for  
XYZ(55.4676, 39.8321, 20.8430)  
contains.

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# Color

**XYZ(52.1848, 38.1983,  
20.8422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8173
RGB	255, 129, 115
RGB Percent	100%, 51%, 45%
CMY	0.0000, 0.4941, 0.5490
CMYK	0.00, 0.49, 0.55, 0.00
HSL	6°, 100%, 73%
HSV	6°, 55%, 100%
XYZ	52.1848, 38.1983, 20.8422
YIQ	165.0780, 79.5900, 22.3580

# Conversions

## Conversions Part 2

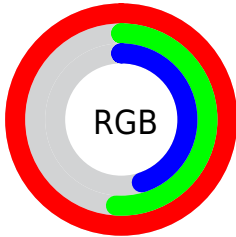
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 131, 115
Decimal	16744819
CIE Lab	68.17, 46.64, 29.85
CIE LCh	68, 55.372, 32.623
Yxy	38.1983, 0.4692, 0.3434
Android (android.graphics.Color)	4294934899 (0xFFFF8173)
YUV	165.0780, -24.6885, 78.8616
Hunter-Lab	61.8048, 42.5579, 23.2692

# Details

The XYZ color **52.1848, 38.1983, 20.8422** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.5735, 73.7713, 105.8650**, and the grayscale version is **35.8907, 37.7598, 41.1204**.

A 20% lighter version of the original color is **65.3555, 58.3310, 44.3736**, and **25.5899, 16.9116, 7.2257** is the 20% darker color. If you saturate the color by 10%, you get **48.2243, 32.3099, 13.2566**, and if you desaturate by 10%, it is **57.2317, 45.6105, 30.7924**.

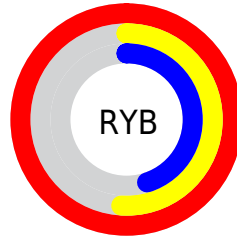
# Distribution



Red (100%)

Green (51%)

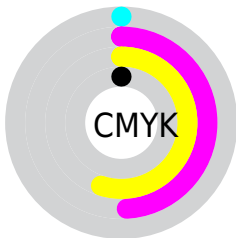
Blue (45%)



Red (100%)

Yellow (51%)

Blue (45%)

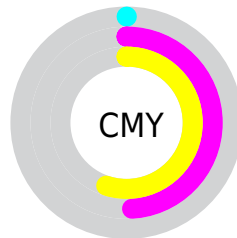


Cyan (0%)

Magenta (49%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1848, 38.1983, 20.8422 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 52.1848, 38.1983, 20.8422 by changing the saturation by 10% instead.





 52.1848, 38.1983,  
20.8422


 52.1848, 38.1983,  
20.8422


385.4619,  
338.4699, 269.1921

 37.3773, 26.1366,  
12.8186


 92.5763, 72.4120,  
45.7021

 25.6747, 16.9259,  
7.1745


 118.8910, 95.3328,  
63.3755

 16.7119, 10.1817,  
3.4914


 149.7722,  
122.6421, 85.1026

 10.1233, 5.5196,  
1.3507

185.5851,  
154.7243, 111.3019

 5.5437, 2.5552,  
0.1028

226.6952,  
191.9637, 142.3920

 2.6077, 0.9042,  
0.0000

273.4678,

 0.9499, 0.0000,

234.7449, 178.7914

0.0000

326.2682,  
283.4521, 220.9186

■ 0.0000, 0.0000,  
0.0000

■ 52.1848, 38.1983,  
20.8422

■ 52.1848, 38.1983,  
20.8422

■ 48.2243, 32.3099,  
13.2566

■ 57.2317, 45.6105,  
30.7924

■ 45.2670, 27.8335,  
7.8372

■ 63.4344, 54.6362,  
43.2794

■ 43.2222, 24.6518,  
4.3566

■ 70.8598, 65.3650,  
58.4618

■ 41.9807, 22.6254,  
2.5353

■ 79.5688, 77.8785,  
76.4846

■ 41.5986, 21.9773,  
2.0496

■ 89.6182, 92.2527,  
97.4825

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



55.5738, 38.1983, 39.4504



52.1848, 38.1983, 20.8422



44.4999, 38.1983, 12.0208

# Triad

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



52.1848, 38.1983, 20.8422



23.4545, 38.1983, 23.3150



37.0725, 38.1983, 109.5840

# Complementary

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



52.1848, 38.1983, 20.8422



56.5735, 73.7713, 105.8650

# 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.



29.1858, 38.1983, 99.8127



52.1848, 38.1983, 20.8422



22.1029, 38.1983, 43.8086

# Square

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



52.1848, 38.1983, 20.8422



28.0613, 38.1983, 12.9986



24.0276, 38.1983, 72.9006



46.0262, 38.1983, 95.9579



# Rectangle

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



52.1848, 38.1983, 20.8422



38.4829, 38.1983, 9.9887



24.0276, 38.1983, 72.9006



34.2134, 38.1983, 108.9287

# Sweetspot

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



52.1857, 38.2003, 20.8429



78.5478, 76.4145, 74.3619



63.2479, 39.8725, 87.5816



16.4121, 15.7814, 15.0856



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.



52.1857, 38.2003, 20.8429



47.8520, 31.7511, 12.5592



64.7579, 63.3447, 25.0336



18.1555, 18.2793, 18.7157



21.7839, 11.5791, 1.0869



2.1674, 1.2201, 0.1213



# Inverse Universe

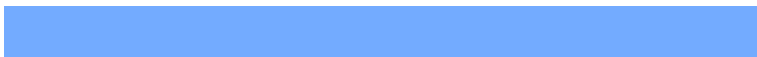
The Inverse Universe completely reimagines the original color for something new.



56.5735, 73.7713, 105.8650



52.5742, 70.4752, 105.4399



39.6833, 39.9909, 100.2350



18.3904, 20.1524, 23.1705



24.2061, 33.3217, 54.5905



2.3999, 3.3305, 5.3296



# Previews

## White Background



This preview shows how the XYZ color 52.1848, 38.1983, 20.8422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

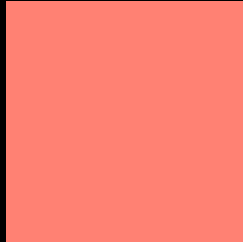
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1848, 38.1983, 20.8422 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 52.1848, 38.1983, 20.8422**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1848, 38.1983, 20.8422.



This preview shows how white text looks on a background with the XYZ color 52.1848, 38.1983,



# 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

52.1848, 38.1983, 20.8422

### Protanopia

35.8644, 38.2582, 26.9671

### Deuteranopia

39.0320, 38.2014, 20.0683



## Tritanopia

53.2733, 38.2163, 27.8612

# Trichromacy



## Original Color

52.1848, 38.1983, 20.8422

## Protanomaly

40.2697, 37.2423, 24.4681

## Deuteranomaly

43.0297, 37.5653, 20.3121

## Tritanomaly

52.8555, 38.2569, 25.0206

# Monochromacy



## Original Color

52.1848, 38.1983, 20.8422

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

39.7834, 36.5688, 32.5654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1848, 38.1983, 20.8422 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, 129, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 115)  
}
```

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, 129, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1848, 38.1983, 20.8422 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, 129, 115) }
```



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

```
.border{ border-color:rgb(255, 129, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1848, 38.1983, 20.8422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 115) }
```

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

```
.background{ background-color: rgb(255,  
129, 115) }
```

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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