

# Converting Colors

XYZ(52.8502, 40.0077, 19.5889)

Have a look what the booklet for  
XYZ(52.8502, 40.0077, 19.5889)  
contains.

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# Color

**XYZ(52.8586, 39.9941,  
19.6855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF886E
RGB	255, 136, 110
RGB Percent	100%, 53%, 43%
CMY	0.0000, 0.4666, 0.5686
CMYK	0.00, 0.47, 0.57, 0.00
HSL	11°, 100%, 72%
HSV	11°, 57%, 100%
XYZ	52.8586, 39.9941, 19.6855
YIQ	168.6170, 79.2700, 17.1420

# Conversions

## Conversions Part 2

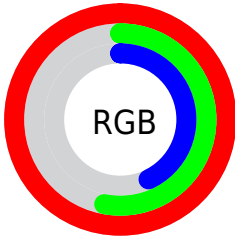
Format	Color
R <sub>Y</sub> B	255, 142, 110
Decimal	16746606
CIE Lab	69.47, 42.79, 34.26
CIE LCh	69, 54.819, 38.684
Yxy	39.9941, 0.4697, 0.3554
Android (android.graphics.Color)	4294936686 (0xFFFF886E)
YUV	168.6170, -28.8982, 75.7579
Hunter-Lab	63.2409, 38.5240, 25.8129

# Details

The XYZ color **52.8586, 39.9941, 19.6855** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.4978, 66.5697, 104.6895**, and the grayscale version is **37.6347, 39.5947, 43.1186**.

A 20% lighter version of the original color is **66.3924, 61.1302, 42.4825**, and **25.9551, 17.8718, 6.6390** is the 20% darker color. If you saturate the color by 10%, you get **48.9997, 34.1879, 12.5072**, and if you desaturate by 10%, it is **57.6941, 47.1149, 29.1604**.

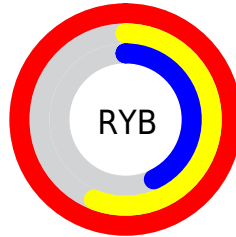
# Distribution



Red (100%)

Green (53%)

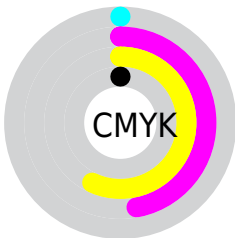
Blue (43%)



Red (100%)

Yellow (56%)

Blue (43%)

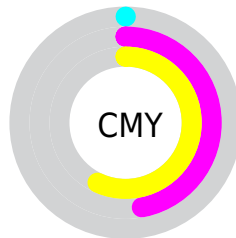


Cyan (0%)

Magenta (47%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8586, 39.9941, 19.6855 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 52.8586, 39.9941, 19.6855 by changing the saturation by 10% instead.





 52.8586, 39.9941,  
19.6855


 52.8586, 39.9941,  
19.6855


388.0121,  
346.0987, 262.7551


 37.9169, 27.5339,  
11.9848


 93.5630, 75.1545,  
43.7413


 26.0951, 17.9746,  
6.6109


 120.0565, 98.6236,  
60.9335

 17.0279, 10.9318,  
3.1453


 151.1312,  
126.5311, 82.1266

 10.3498, 6.0210,  
1.1693

 187.1527,  
159.2614, 107.7392

 5.6955, 2.8578,  
0.0000

228.4861,  
197.1989, 138.1898

 2.6997, 1.0580,  
0.0000

275.4969,

 0.9970, 0.0000,

240.7280, 173.8970

0.0000

328.5505,  
290.2332, 215.2792

■ 0.0000, 0.0000,  
0.0000

■ 52.8586, 39.9941,  
19.6855

■ 52.8586, 39.9941,  
19.6855

■ 48.9997, 34.1879,  
12.5072

■ 57.6941, 47.1149,  
29.1604

■ 46.0457, 29.6087,  
7.4260

■ 63.5655, 55.6184,  
41.1039

■ 43.9190, 26.1677,  
4.2120

■ 70.5305, 65.5752,  
55.6740

■ 42.5251, 23.7605,  
2.5747

■ 78.6415, 77.0493,  
73.0151

■ 42.2065, 23.1933,  
2.2522

■ 87.9478, 90.1009,  
93.2608

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.



57.3777, 39.9941, 36.6130



52.8586, 39.9941, 19.6855



44.5217, 39.9941, 12.1490

# Triad

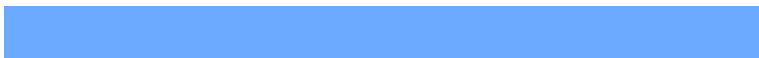
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.8586, 39.9941, 19.6855



24.2942, 39.9941, 28.1612



40.6335, 39.9941, 111.4259

# Complementary

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



52.8586, 39.9941, 19.6855



52.4978, 66.5697, 104.6895

# 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.



32.1720, 39.9941, 106.3282



52.8586, 39.9941, 19.6855



23.5843, 39.9941, 51.3050

# Square

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



52.8586, 39.9941, 19.6855



28.3623, 39.9941, 15.5593



26.2454, 39.9941, 81.5351



49.6372, 39.9941, 93.5693



# Rectangle

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



52.8586, 39.9941, 19.6855



38.4042, 39.9941, 10.7891



26.2454, 39.9941, 81.5351



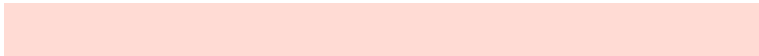
37.6248, 39.9941, 112.4474

# Sweetspot

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



52.8596, 39.9962, 19.6862



78.5221, 76.8810, 72.7571



61.2161, 38.1721, 79.6192



16.4387, 15.9365, 14.7800



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.



52.8596, 39.9962, 19.6862



48.6196, 33.6067, 11.8273



66.2865, 66.8500, 24.1619



18.2728, 18.5137, 18.7548



22.1295, 12.2702, 1.2020



2.2228, 1.3311, 0.1398



# Inverse Universe

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



52.4978, 66.5697, 104.6895



48.1236, 62.2532, 104.0874



36.7644, 35.1028, 99.4451



18.2615, 19.8946, 23.1275



21.4797, 27.8689, 53.6817



2.1605, 2.8516, 5.2498



# Previews

## White Background



This preview shows how the XYZ color 52.8586, 39.9941, 19.6855 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 52.8586, 39.9941, 19.6855 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 52.8586, 39.9941, 19.6855**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.8586, 39.9941, 19.6855.



This preview shows how white text looks on a background with the XYZ color 52.8586, 39.9941,



# 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

52.8586, 39.9941, 19.6855

### Protanopia

37.5413, 40.2720, 24.8634

### Deuteranopia

40.9237, 39.9824, 18.9251



## Tritanopia

54.5100, 39.9881, 30.4367

# Trichromacy



## Original Color

52.8586, 39.9941, 19.6855

## Protanomaly

41.8511, 39.3409, 22.8405

## Deuteranomaly

44.7855, 39.6913, 19.2106

## Tritanomaly

53.7944, 39.9219, 25.9895

# Monochromacy



## Original Color

52.8586, 39.9941, 19.6855

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

41.2217, 38.5314, 33.2817

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8586, 39.9941, 19.6855 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, 136, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 110)  
}
```

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, 136, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8586, 39.9941, 19.6855 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, 136, 110) }
```



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

```
.border{ border-color:rgb(255, 136, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8586, 39.9941, 19.6855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 110) }
```

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

```
.background{ background-color: rgb(255,  
136, 110) }
```

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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