

# Converting Colors

XYZ(84.1152, 57.1048, 23.4226)

Have a look what the booklet for  
XYZ(84.1152, 57.1048, 23.4226)  
contains.

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# Color

**XYZ(53.9758, 41.5941,  
22.0133)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8D75
RGB	255, 141, 117
RGB Percent	100%, 55%, 46%
CMY	0.0000, 0.4470, 0.5412
CMYK	0.00, 0.45, 0.54, 0.00
HSL	10°, 100%, 73%
HSV	10°, 54%, 100%
XYZ	53.9758, 41.5941, 22.0133
YIQ	172.3500, 75.6480, 16.7040

# Conversions

## Conversions Part 2

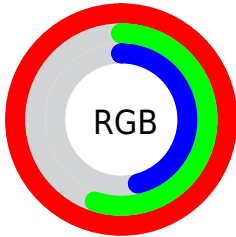
Format	Color
<a href="#">RYB</a>	<a href="#">255, 146, 117</a>
Decimal	<a href="#">16747893</a>
CIELab	<a href="#">70.59, 40.82, 31.91</a>
CIElCh	<a href="#">71, 51.813, 38.016</a>
Yxy	<a href="#">41.5941, 0.4590, 0.3537</a>
Android (android.graphics.Color)	<a href="#">4294937973 (0xFFFF8D75)</a>
YUV	<a href="#">172.3500, -27.2875, 72.4841</a>
Hunter-Lab	<a href="#">64.4935, 36.5264, 24.9082</a>

# Details

The XYZ color **53.9758, 41.5941, 22.0133** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.9604, 68.1503, 104.9178**, and the grayscale version is **39.4983, 41.5553, 45.2537**.

A 20% lighter version of the original color is **68.1414, 63.6044, 46.2216**, and **26.7812, 18.8661, 7.6988** is the 20% darker color. If you saturate the color by 10%, you get **49.8596, 35.4433, 14.2247**, and if you desaturate by 10%, it is **59.0930, 49.0939, 32.1505**.

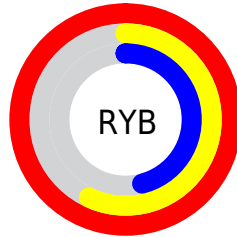
# Distribution



Red (100%)

Green (55%)

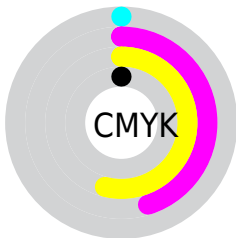
Blue (46%)



Red (100%)

Yellow (57%)

Blue (46%)

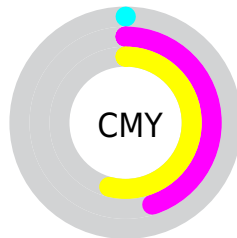


Cyan (0%)

Magenta (45%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9758, 41.5941, 22.0133 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 53.9758, 41.5941, 22.0133 by changing the saturation by 10% instead.





 53.9758, 41.5941,  
22.0133

 53.9758, 41.5941,  
22.0133


392.2176,  
352.7976, 275.5715

 38.8129, 28.7836,  
13.6683

 95.1958, 77.5849,  
47.6705

 26.7943, 18.9172,  
7.7542


 121.9836,  
101.5341, 65.8196

 17.5546, 11.6104,  
3.8526


 153.3772,  
129.9649, 88.0740

 10.7284, 6.4790,  
1.5448

189.7417,  
163.2617, 114.8520

 5.9505, 3.1385,  
0.2510

231.4427,  
201.8090, 146.5722

 2.8554, 1.2045,  
0.0000

278.8454,

 1.0777, 0.0653,

245.9911, 183.6531

0.0000

332.3153,  
296.1925, 226.5134

■ 0.0064, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.9758, 41.5941,  
22.0133

■ 53.9758, 41.5941,  
22.0133

■ 49.8596, 35.4433,  
14.2247

■ 59.0930, 49.0939,  
32.1505

■ 46.6737, 30.5541,  
8.5921

■ 65.2693, 58.0100,  
44.8034

■ 44.3428, 26.8391,  
4.8959

■ 72.5619, 68.4132,  
60.1265

■ 42.7770, 24.1962,  
2.8677

■ 81.0227, 80.3675,  
78.2609

■ 42.1540, 23.0882,  
2.2347

■ 90.7007, 93.9331,  
99.3380

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.



58.1815, 41.5941, 39.0267



53.9758, 41.5941, 22.0133



46.0233, 41.5941, 14.1263

# Triad

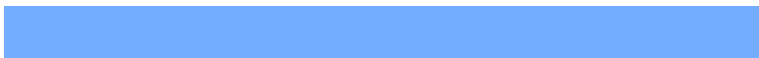
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.9758, 41.5941, 22.0133



26.1476, 41.5941, 29.8310



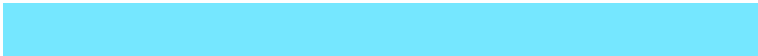
41.8746, 41.5941, 109.8661

# Complementary

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



53.9758, 41.5941, 22.0133



53.9604, 68.1503, 104.9178

# 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.



33.6852, 41.5941, 104.5943



53.9758, 41.5941, 22.0133



25.3688, 41.5941, 52.1875

# Square

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



53.9758, 41.5941, 22.0133



30.2361, 41.5941, 17.3714



27.9295, 41.5941, 80.9790



50.5657, 41.5941, 93.5215



# Rectangle

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



53.9758, 41.5941, 22.0133



40.1068, 41.5941, 12.6194



27.9295, 41.5941, 80.9790



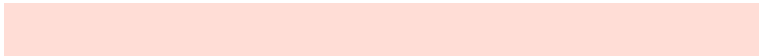
38.9666, 41.5941, 110.6487

# Sweetspot

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



53.9768, 41.5963, 22.0141



79.3382, 77.9954, 74.6254



62.1668, 39.8090, 80.7513



16.5979, 16.1530, 15.1475



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.



53.9768, 41.5963, 22.0141



49.5420, 34.9620, 13.6435



67.2514, 68.1454, 26.4389



18.2648, 18.4977, 18.7521



22.1002, 12.2115, 1.1923



2.2188, 1.3230, 0.1384



# Inverse Universe

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



53.9604, 68.1503, 104.9178



49.4355, 63.8395, 104.3245



38.4836, 37.1967, 99.7588



18.2702, 19.9120, 23.1304



21.6550, 28.2197, 53.7402



2.1760, 2.8827, 5.2550



# Previews

## White Background



This preview shows how the XYZ color 53.9758, 41.5941, 22.0133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

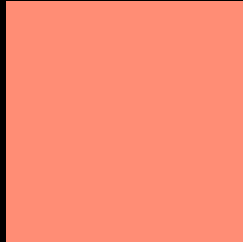
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9758, 41.5941, 22.0133 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 53.9758, 41.5941, 22.0133**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9758, 41.5941, 22.0133.



This preview shows how white text looks on a background with the XYZ color 53.9758, 41.5941,



# 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

53.9758, 41.5941, 22.0133

### Protanopia

39.0479, 41.8401, 27.4906

### Deuteranopia

42.3922, 41.4900, 21.1033



## Tritanopia

55.6738, 41.5751, 33.1074

# Trichromacy



## Original Color

53.9758, 41.5941, 22.0133

## Protanomaly

43.0891, 40.6977, 25.3231

## Deuteranomaly

45.9771, 40.9994, 21.4100

## Tritanomaly

54.9880, 41.5314, 28.7851

# Monochromacy



## Original Color

53.9758, 41.5941, 22.0133

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

42.7695, 40.3133, 35.2328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9758, 41.5941, 22.0133 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, 141, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 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, 141, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9758, 41.5941, 22.0133 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, 141, 117) }
```



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

```
.border{ border-color:rgb(255, 141, 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, 141, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9758, 41.5941, 22.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 117) }
```

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

```
.background{ background-color: rgb(255,  
141, 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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