

# Converting Colors

XYZ(59.4814, 42.4539, 21.7496)

Have a look what the booklet for  
XYZ(59.4814, 42.4539, 21.7496)  
contains.

<b>XYZ(52.7022, 39.0469, 21.5887)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.7022, 39.0469,  
21.5887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8475
RGB	255, 132, 117
RGB Percent	100%, 52%, 46%
CMY	0.0000, 0.4823, 0.5412
CMYK	0.00, 0.48, 0.54, 0.00
HSL	7°, 100%, 73%
HSV	7°, 54%, 100%
XYZ	52.7022, 39.0469, 21.5887
YIQ	167.0670, 78.1230, 21.4110

# Conversions

## Conversions Part 2

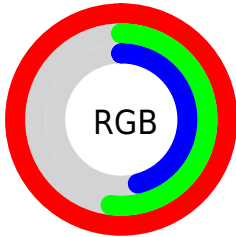
Format	Color
<a href="#">RYB</a>	<a href="#">255, 134, 117</a>
Decimal	<a href="#">16745589</a>
CIELab	<a href="#">68.79, 45.32, 29.56</a>
CIElCh	<a href="#">69, 54.105, 33.114</a>
Yxy	<a href="#">39.0469, 0.4650, 0.3445</a>
Android (android.graphics.Color)	<a href="#">4294935669 (0xFFFF8475)</a>
YUV	<a href="#">167.0670, -24.6830, 77.1172</a>
Hunter-Lab	<a href="#">62.4875, 41.1944, 23.2573</a>

# Details

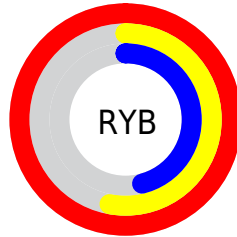
The XYZ color **52.7022, 39.0469, 21.5887** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.5443, 73.3180, 105.7791**, and the grayscale version is **36.8542, 38.7735, 42.2244**.

A 20% lighter version of the original color is **66.1718, 59.6652, 45.5650**, and **26.1183, 17.4910, 7.6297** is the 20% darker color. If you saturate the color by 10%, you get **48.6486, 33.0212, 13.8209**, and if you desaturate by 10%, it is **57.8373, 46.5825, 31.7318**.

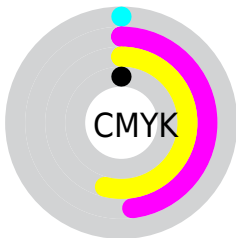
# Distribution



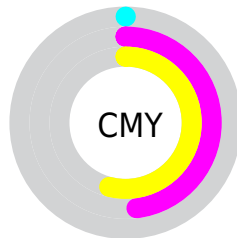
- Red (100%)
- Green (52%)
- Blue (46%)



- Red (100%)
- Yellow (53%)
- Blue (46%)



- Cyan (0%)
- Magenta (48%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (48%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7022, 39.0469, 21.5887 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 52.7022, 39.0469, 21.5887 by changing the saturation by 10% instead.





 52.7022, 39.0469,  
21.5887


 52.7022, 39.0469,  
21.5887


387.4211,  
342.0898, 273.2739


 37.7916, 26.7962,  
13.3596


 93.3341, 73.7100,  
46.9587

 25.9975, 17.4202,  
7.5430


 119.7862, 96.8911,  
64.9367

 16.9544, 10.5346,  
3.7204


 150.8161,  
124.4846, 87.0013

 10.2971, 5.7548,  
1.4732

186.7892,  
156.8747, 113.5712

 5.6602, 2.6966,  
0.1979

228.0710,  
194.4459, 145.0648

 2.6782, 0.9754,  
0.0000

275.0266,

 0.9860, 0.0000,

237.5825, 181.9008

0.0000

328.0215,  
286.6691, 224.4976

■ 0.0000, 0.0000,  
0.0000

■ 52.7022, 39.0469,  
21.5887

■ 52.7022, 39.0469,  
21.5887

■ 48.6486, 33.0212,  
13.8209

■ 57.8373, 46.5825,  
31.7318

■ 45.5955, 28.3977,  
8.2326

■ 64.1214, 55.7141,  
44.4206

■ 43.4551, 25.0639,  
4.5999

■ 71.6195, 66.5286,  
59.8122

■ 42.1225, 22.8872,  
2.6496

■ 80.3913, 79.1048,  
78.0502

■ 41.6488, 22.0777,  
2.0663

■ 90.4924, 93.5164,  
99.2683

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.



56.1253, 39.0469, 40.0022



52.7022, 39.0469, 21.5887



45.0773, 39.0469, 12.7804

# Triad

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



52.7022, 39.0469, 21.5887



24.2669, 39.0469, 24.5410



38.0156, 39.0469, 109.2211

# Complementary

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



52.7022, 39.0469, 21.5887



56.5443, 73.3180, 105.7791

# 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.



30.1466, 39.0469, 100.0497



52.7022, 39.0469, 21.5887



22.9669, 39.0469, 45.1318

# Square

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



52.7022, 39.0469, 21.5887



28.8165, 39.0469, 13.9661



24.9477, 39.0469, 73.8717



46.8660, 39.0469, 95.5809



# Rectangle

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



52.7022, 39.0469, 21.5887



39.1245, 39.0469, 10.7602



24.9477, 39.0469, 73.8717



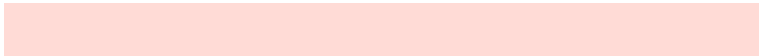
35.1715, 39.0469, 108.7139

# Sweetspot

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



52.7032, 39.0490, 21.5894



78.6400, 76.5990, 74.3926



63.5084, 40.3456, 87.8159



16.4338, 15.8247, 15.0928



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.



52.7032, 39.0490, 21.5894



48.3400, 32.5582, 13.2429



65.0589, 63.7604, 25.7080



18.1683, 18.3048, 18.7199



21.8132, 11.6377, 1.0966



2.1734, 1.2321, 0.1233

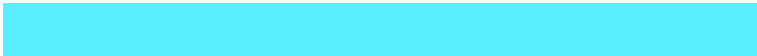


# Inverse Universe

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



56.5443, 73.3180, 105.7791



52.4710, 69.9104, 105.3363



40.1769, 40.5834, 100.3233



18.3762, 20.1240, 23.1657



23.8912, 32.6920, 54.4856



2.3724, 3.2756, 5.3205



# Previews

## White Background



This preview shows how the XYZ color 52.7022, 39.0469, 21.5887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

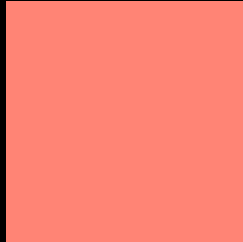
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7022, 39.0469, 21.5887 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 52.7022, 39.0469, 21.5887**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7022, 39.0469, 21.5887.



This preview shows how white text looks on a background with the XYZ color 52.7022, 39.0469,

21.5887.

# 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

52.7022, 39.0469, 21.5887

### Protanopia

36.8267, 39.2824, 27.8316

### Deuteranopia

40.0266, 39.2161, 20.7891



## Tritanopia

53.8828, 39.0893, 29.1312

# Trichromacy



## Original Color

52.7022, 39.0469, 21.5887

## Protanomaly

41.2842, 38.2404, 25.2839

## Deuteranomaly

43.7624, 38.3997, 21.0250

## Tritanomaly

53.4530, 39.1313, 26.2085

# Monochromacy



## Original Color

52.7022, 39.0469, 21.5887

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

40.5336, 37.4232, 33.5208

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7022, 39.0469, 21.5887 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, 132, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 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, 132, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7022, 39.0469, 21.5887 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, 132, 117) }
```



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

```
.border{ border-color:rgb(255, 132, 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, 132, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7022, 39.0469, 21.5887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 117) }
```

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

```
.background{ background-color: rgb(255,  
132, 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](#).

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