

# Converting Colors

XYZ(95.8761, 64.4026, 21.4882)

Have a look what the booklet for  
XYZ(95.8761, 64.4026, 21.4882)  
contains.

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# Color

**XYZ(54.2257, 42.9005,  
19.6100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF926C
RGB	255, 146, 108
RGB Percent	100%, 57%, 42%
CMY	0.0000, 0.4274, 0.5765
CMYK	0.00, 0.43, 0.58, 0.00
HSL	16°, 100%, 71%
HSV	16°, 58%, 100%
XYZ	54.2257, 42.9005, 19.6100
YIQ	174.2590, 77.1620, 11.2900

# Conversions

## Conversions Part 2

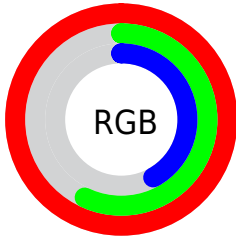
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 159, 108
Decimal	16749164
CIE <sub>Lab</sub>	71.49, 37.59, 37.89
CIE <sub>LCh</sub>	71, 53.377, 45.230
Yxy	42.9005, 0.4645, 0.3675
Android (android.graphics.Color)	4294939244 (0xFFFF926C)
YUV	174.2590, -32.6657, 70.8099
Hunter-Lab	65.4985, 33.1565, 28.0977

# Details

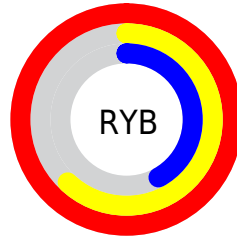
The XYZ color **54.2257, 42.9005, 19.6100** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.0457, 60.0307, 103.6095**, and the grayscale version is **40.5014, 42.6107, 46.4030**.

A 20% lighter version of the original color is **68.4718, 65.5714, 42.3054**, and **27.0403, 19.7905, 6.5324** is the 20% darker color. If you saturate the color by 10%, you get **50.3843, 37.0815, 12.5850**, and if you desaturate by 10%, it is **58.9479, 49.8467, 28.8869**.

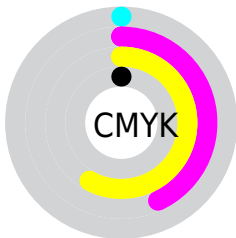
# Distribution



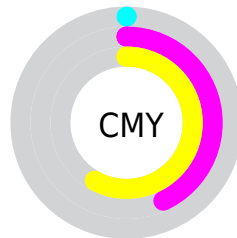
- Red (100%)
- Green (57%)
- Blue (42%)



- Red (100%)
- Yellow (62%)
- Blue (42%)



- Cyan (0%)
- Magenta (43%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2257, 42.9005, 19.6100 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 54.2257, 42.9005, 19.6100 by changing the saturation by 10% instead.





 54.2257, 42.9005,  
19.6100


 54.2257, 42.9005,  
19.6100


393.1544,  
358.2024, 262.3300

 39.0135, 29.8071,  
11.9306


 95.5605, 79.5607,  
43.6127


 26.9510, 19.6922,  
6.5745


 122.4139,  
103.8962, 60.7731

 17.6728, 12.1715,  
3.1231


 153.8783,  
132.7479, 81.9309

 10.8136, 6.8606,  
1.1578

 190.3192,  
166.5001, 107.5046

 6.0080, 3.3751,  
0.0000

232.1019,  
205.5373, 137.9129

 2.8907, 1.3305,  
0.0000

279.5918,

 1.0962, 0.1647,

250.2438, 173.5741

0.0000

333.1541,  
301.0041, 214.9070

■ 0.0219, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.2257, 42.9005,  
19.6100

■ 54.2257, 42.9005,  
19.6100

■ 50.3843, 37.0815,  
12.5850

■ 58.9479, 49.8467,  
28.8869

■ 47.3614, 32.3213,  
7.6135

■ 64.6014, 57.9700,  
40.5860

■ 45.0901, 28.5540,  
4.4662

■ 71.2361, 67.3254,  
54.8640

■ 43.4867, 25.7010,  
2.8411

■ 78.8974, 77.9623,  
71.8636

■ 43.1839, 25.1481,  
2.5780

■ 87.6278, 89.9272,  
91.7168

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.



59.8679, 42.9005, 34.8578



54.2257, 42.9005, 19.6100



45.3509, 42.9005, 13.2972

# Triad

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



54.2257, 42.9005, 19.6100



26.2199, 42.9005, 35.1758



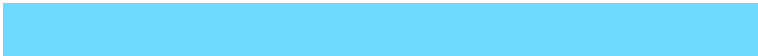
45.4955, 42.9005, 112.7540

# Complementary

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



54.2257, 42.9005, 19.6100



49.0457, 60.0307, 103.6095

# 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.



36.5189, 42.9005, 112.9399



54.2257, 42.9005, 19.6100



26.2468, 42.9005, 60.9869

# Square

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



54.2257, 42.9005, 19.6100



29.6769, 42.9005, 19.7686



29.7567, 42.9005, 91.5015



54.3449, 42.9005, 91.0606



# Rectangle

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



54.2257, 42.9005, 19.6100



39.2175, 42.9005, 12.6871



29.7567, 42.9005, 91.5015



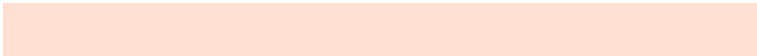
42.3746, 42.9005, 115.5392

# Sweetspot

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



54.2267, 42.9027, 19.6108



79.4293, 78.6953, 73.0595



59.2902, 37.0604, 70.5298



16.6506, 16.3605, 14.8507



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.



54.2267, 42.9027, 19.6108



49.9288, 36.3766, 11.7965



69.0830, 72.6153, 24.5629



18.3911, 18.7504, 18.7942



22.6659, 13.3430, 1.3808



2.2906, 1.4667, 0.1624



# Inverse Universe

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



49.0457, 60.0307, 103.6095



44.2041, 54.7353, 102.8429



34.3219, 30.5830, 98.7015



18.1340, 19.6397, 23.0850



19.0752, 23.0600, 52.8802



1.9456, 2.4218, 5.1782



# Previews

## White Background



This preview shows how the XYZ color 54.2257, 42.9005, 19.6100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

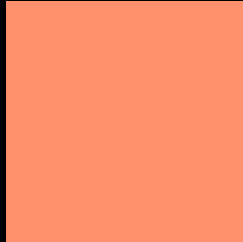
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.2257, 42.9005, 19.6100 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 54.2257, 42.9005, 19.6100**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.2257, 42.9005, 19.6100.



This preview shows how white text looks on a background with the XYZ color 54.2257, 42.9005,



# 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

54.2257, 42.9005, 19.6100

### Protanopia

39.9553, 42.9632, 23.9561

### Deuteranopia

43.9419, 43.1509, 19.1097



## Tritanopia

56.5805, 42.8730, 34.9990

# Trichromacy



## Original Color

54.2257, 42.9005, 19.6100



## Protanomaly

44.1594, 42.1080, 22.3232



## Deuteranomaly

47.1155, 42.6555, 19.1147



## Tritanomaly

55.5064, 42.6825, 28.6056

# Monochromacy



## Original Color

54.2257, 42.9005, 19.6100



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

43.4091, 41.4494, 34.5668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2257, 42.9005, 19.6100 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, 146, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 108)  
}
```

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, 146, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2257, 42.9005, 19.6100 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, 146, 108) }
```



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

```
.border{ border-color:rgb(255, 146, 108) }
```

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

Here you see how a box with a 4 pixel rgb(255, 146, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2257, 42.9005, 19.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 108) }
```

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

```
.background{ background-color: rgb(255,  
146, 108) }
```

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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