

# Converting Colors

XYZ(94.5730, 71.8918, 27.2678)

Have a look what the booklet for  
XYZ(94.5730, 71.8918, 27.2678)  
contains.

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# **Color**

**XYZ(60.6732, 54.5059,  
25.7352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB27A
RGB	255, 178, 122
RGB Percent	100%, 70%, 48%
CMY	0.0000, 0.3019, 0.5216
CMYK	0.00, 0.30, 0.52, 0.00
HSL	25°, 100%, 74%
HSV	25°, 52%, 100%
XYZ	60.6732, 54.5059, 25.7352
YIQ	194.6390, 63.8680, -1.0920

# Conversions

## Conversions Part 2

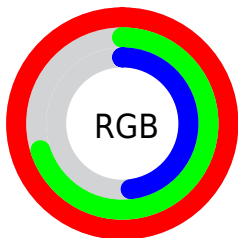
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 219, 122
Decimal	16757370
CIE <sub>Lab</sub>	78.76, 22.09, 39.71
CIE <sub>LCh</sub>	79, 45.443, 60.921
Yxy	54.5059, 0.4306, 0.3868
Android (android.graphics.Color)	4294947450 (0xFFFFB27A)
YUV	194.6390, -35.8110, 52.9366
Hunter-Lab	73.8281, 17.4951, 31.0122

# Details

The XYZ color **60.6732, 54.5059, 25.7352** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.4984, 52.2020, 102.2326**, and the grayscale version is **51.8378, 54.5374, 59.3912**.

A 20% lighter version of the original color is **78.4007, 83.2008, 52.4846**, and **31.0090, 26.7372, 9.6573** is the 20% darker color. If you saturate the color by 10%, you get **56.5150, 48.3951, 17.5504**, and if you desaturate by 10%, it is **65.5646, 61.4201, 36.2103**.

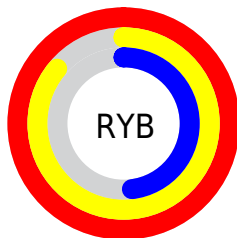
# Distribution



Red (100%)

Green (70%)

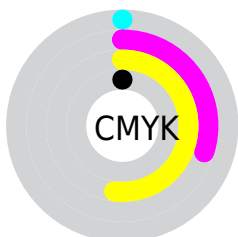
Blue (48%)



Red (100%)

Yellow (86%)

Blue (48%)

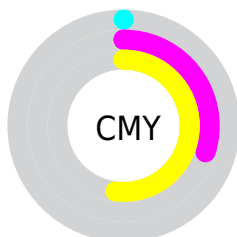


Cyan (0%)

Magenta (30%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6732, 54.5059, 25.7352 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 60.6732, 54.5059, 25.7352 by changing the saturation by 10% instead.





 60.6732, 54.5059,  
25.7352


 60.6732, 54.5059,  
25.7352


416.8698,  
404.0362, 295.0438

 44.2130, 39.0063,  
16.4017


 104.9064, 96.8166,  
53.8263

 31.0366, 26.7646,  
9.6514


 133.4101,  
124.3965, 73.4209

 20.7787, 17.3965,  
5.0659


 166.6591,  
156.7720, 97.2730

 13.0739, 10.5176,  
2.2265

205.0187,  
194.3274, 125.8010

 7.5568, 5.7435,  
0.6896

248.8542,  
237.4471, 159.4236

 3.8621, 2.6897,  
0.0000

298.5309,

 1.6244, 0.9720,

286.5156, 198.5592

0.0000

354.4144,  
341.9171, 243.6264

■ 0.4082, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.6732, 54.5059,  
25.7352

■ 60.6732, 54.5059,  
25.7352

■ 56.5150, 48.3951,  
17.5504

■ 65.5646, 61.4201,  
36.2103

■ 53.0430, 43.0465,  
11.4747

■ 71.2244, 69.1604,  
49.1314

■ 50.2098, 38.4264,  
7.3043

■ 77.6899, 77.7585,  
64.6441

■ 47.9580, 34.4943,  
4.7923

■ 84.9946, 87.2419,  
82.8818

46.5372, 31.8546,  
3.6958

93.1699, 97.6365,  
103.9684

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.



68.1019, 54.5059, 37.3636



60.6732, 54.5059, 25.7352



51.5288, 54.5059, 22.3253

# Triad

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



60.6732, 54.5059, 25.7352



36.3683, 54.5059, 60.1473



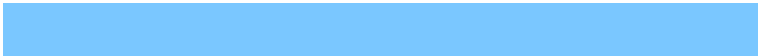
61.2097, 54.5059, 112.7774

# Complementary

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



60.6732, 54.5059, 25.7352



46.4984, 52.2020, 102.2326

# 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.



52.0847, 54.5059, 123.9137



60.6732, 54.5059, 25.7352



38.3425, 54.5059, 88.6064

# Square

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



60.6732, 54.5059, 25.7352



38.1155, 54.5059, 38.3856



43.8482, 54.5059, 114.0031



68.4360, 54.5059, 86.8175



# Rectangle

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



60.6732, 54.5059, 25.7352



45.8736, 54.5059, 24.0668



43.8482, 54.5059, 114.0031



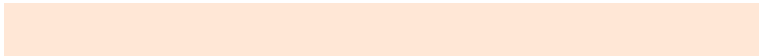
58.2295, 54.5059, 118.6664

# Sweetspot

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



60.6745, 54.5086, 25.7363



82.0858, 83.4905, 75.5412



58.5763, 39.3301, 58.8930



17.2475, 17.4521, 15.3640



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.



60.6745, 54.5086, 25.7363



56.1963, 47.9149, 16.9588



77.0783, 87.3161, 31.2042



18.6380, 19.2442, 18.8765



24.4568, 16.9248, 1.9778



2.4865, 1.8584, 0.2277



# Inverse Universe

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



46.4984, 52.2020, 102.2326



40.5469, 45.3078, 101.2160



34.4754, 28.1560, 98.2249



17.8765, 19.1245, 22.9992



15.0849, 15.0794, 51.5501



1.5769, 1.6846, 5.0553



# Previews

## White Background



This preview shows how the XYZ color 60.6732, 54.5059, 25.7352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

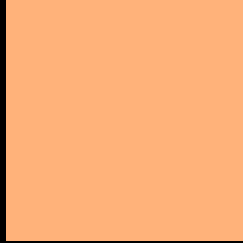
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.6732, 54.5059, 25.7352 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 60.6732, 54.5059, 25.7352**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.6732, 54.5059, 25.7352.



This preview shows how white text looks on a background with the XYZ color 60.6732, 54.5059,

25.7352.

# 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

60.6732, 54.5059, 25.7352

### Protanopia

50.6289, 54.6122, 28.6417

### Deuteranopia

55.7526, 54.7296, 25.3947



## Tritanopia

64.8353, 54.6078, 52.4706

# Trichromacy



## Original Color

60.6732, 54.5059, 25.7352

## Protanomaly

53.9584, 54.3955, 27.3941

## Deuteranomaly

57.5538, 54.7161, 25.6170

## Tritanomaly

63.0030, 54.4932, 40.9158

# Monochromacy



## Original Color

60.6732, 54.5059, 25.7352

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

53.8808, 53.9741, 44.6240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.6732, 54.5059, 25.7352 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, 178, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 122)  
}
```

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, 178, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 60.6732, 54.5059, 25.7352 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, 178, 122) }
```



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

```
.border{ border-color:rgb(255, 178, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.6732, 54.5059, 25.7352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 122) }
```

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

```
.background{ background-color: rgb(255,  
178, 122) }
```

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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