

Converting Colors

XYZ(63.7911, 52.7529, 30.2158)

Have a look what the booklet for
XYZ(63.7911, 52.7529, 30.2158)
contains.

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Color

**XYZ(59.5027, 50.6750,
29.9377)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA788
RGB	255, 167, 136
RGB Percent	100%, 65%, 53%
CMY	0.0000, 0.3451, 0.4667
CMYK	0.00, 0.35, 0.47, 0.00
HSL	16°, 100%, 77%
HSV	16°, 47%, 100%
XYZ	59.5027, 50.6750, 29.9377
YIQ	189.7780, 62.3990, 9.0150

Conversions

Conversions Part 2

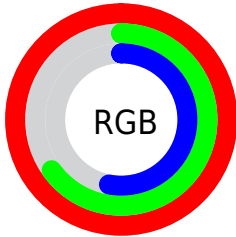
Format	Color
R _Y B	255, 178, 136
Decimal	16754568
CIE Lab	76.48, 29.10, 29.40
CIE LCh	76, 41.367, 45.292
Yxy	50.6750, 0.4247, 0.3617
Android (android.graphics.Color)	4294944648 (0xFFFFA788)
YUV	189.7780, -26.5126, 57.1997
Hunter-Lab	71.1864, 24.6270, 24.8958

Details

The XYZ color **59.5027, 50.6750, 29.9377** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.8578, 65.7628, 104.4098**, and the grayscale version is **48.9395, 51.4882, 56.0707**.

A 20% lighter version of the original color is **76.9219, 77.7531, 59.6688**, and **30.2027, 24.3086, 11.9043** is the 20% darker color. If you saturate the color by 10%, you get **54.6954, 43.6239, 20.4329**, and if you desaturate by 10%, it is **65.2473, 58.9109, 41.8826**.

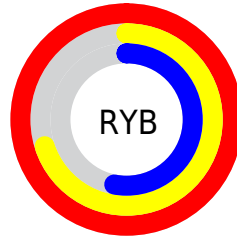
Distribution



Red (100%)

Green (65%)

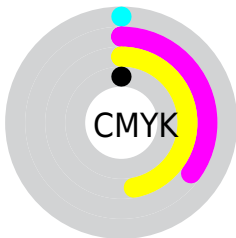
Blue (53%)



Red (100%)

Yellow (70%)

Blue (53%)

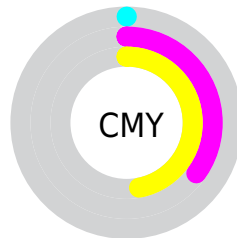


Cyan (0%)

Magenta (35%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5027, 50.6750, 29.9377 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 59.5027, 50.6750, 29.9377 by changing the saturation by 10% instead.


 59.5027, 50.6750,
29.9377


 59.5027, 50.6750,
29.9377


412.6265,
389.2998, 315.8122


 43.2658, 35.9500,
19.5397


 103.2184, 91.1742,
60.6235

 30.2892, 24.3956,
11.8801

 131.4279,
117.7172, 81.7483

 20.2074, 15.6273,
6.5406


 164.3591,
148.9683, 107.2858

 12.6550, 9.2608,
3.1024

202.3772,
185.3120, 137.6545

 7.2668, 4.9117,
1.1472

245.8477,
227.1326, 173.2729

 3.6773, 2.1955,
0.0000

295.1358,

 1.5212, 0.7176,

274.8145, 214.5597

0.0000

350.6069,
328.7421, 261.9333

■ 0.3402, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5027, 50.6750,
29.9377

■ 59.5027, 50.6750,
29.9377

■ 54.6954, 43.6239,
20.4329

■ 65.2473, 58.9109,
41.8826

■ 50.7689, 37.6942,
13.1946

■ 71.9738, 68.3760,
56.4190

■ 47.6659, 32.8278,
8.0303

■ 79.7285, 79.1217,
73.6894

■ 45.3198, 28.9577,
4.7143

■ 88.5532, 91.1939,
93.8250

■ 43.6512, 26.0079, 95.0500, 100.0000,
2.9635 108.9000

■ 43.2140, 25.2081,
2.5880

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1251, 50.6750, 44.6079



59.5027, 50.6750, 29.9377



52.0734, 50.6750, 23.1908

Triad

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



59.5027, 50.6750, 29.9377



35.0687, 50.6750, 44.9756



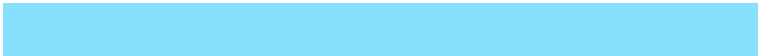
52.2289, 50.6750, 107.8309

Complementary

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



59.5027, 50.6750, 29.9377



54.8578, 65.7628, 104.4098

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.



44.4574, 50.6750, 108.0079



59.5027, 50.6750, 29.9377



35.1007, 50.6750, 67.2949

Square

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



59.5027, 50.6750, 29.9377



38.2749, 50.6750, 30.1439



38.3676, 50.6750, 91.6698



59.6271, 50.6750, 91.2367

Rectangle

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



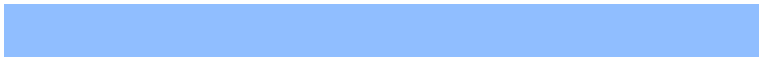
59.5027, 50.6750, 29.9377



46.7953, 50.6750, 22.5107



38.3676, 50.6750, 91.6698



49.5613, 50.6750, 109.9349

Sweetspot

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



59.5040, 50.6775, 29.9387



81.9749, 82.2087, 78.7724



63.6691, 44.3187, 76.6120



17.1556, 17.0597, 15.9767



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.



59.5040, 50.6775, 29.9387



54.9877, 44.0581, 20.9936



72.6769, 77.0235, 34.3297



18.3941, 18.7564, 18.7952



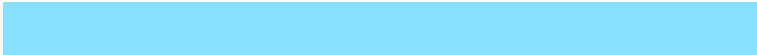
22.6822, 13.3755, 1.3863



2.2926, 1.4705, 0.1630

Inverse Universe

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



54.8578, 65.7628, 104.4098



49.7754, 60.7135, 103.7032



41.7946, 39.6364, 100.0554



18.1308, 19.6332, 23.0839



19.0184, 22.9463, 52.8613



1.9404, 2.4116, 5.1765

Previews

White Background



This preview shows how the XYZ color 59.5027, 50.6750, 29.9377 looks on a white background.

Color Contrast Check

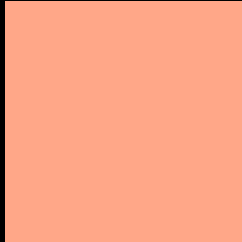
Large Text (above 18pt) WCAG AA × Fail

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 59.5027, 50.6750, 29.9377 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 59.5027, 50.6750, 29.9377

Background



This preview shows how black text looks on a background with the XYZ color 59.5027, 50.6750, 29.9377.



This preview shows how white text looks on a background with the XYZ color 59.5027, 50.6750,

29.9377.

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

59.5027, 50.6750, 29.9377

Protanopia

47.7430, 51.0271, 34.5270

Deuteranopia

51.8088, 50.7488, 29.2552



Tritanopia

62.0751, 50.5495, 47.0428

Trichromacy



Original Color

59.5027, 50.6750, 29.9377



Protanomaly

51.2252, 50.3729, 32.6143



Deuteranomaly

54.4205, 50.6048, 29.4537



Tritanomaly

60.9485, 50.3841, 40.2310

Monochromacy



Original Color

59.5027, 50.6750, 29.9377



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

51.7152, 50.6543, 45.0818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5027, 50.6750, 29.9377 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, 167, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 136)  
}
```

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, 167, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 136) }
```

Border

The CSS property to change the border of an element to XYZ 59.5027, 50.6750, 29.9377 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, 167, 136) }
```


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

```
.border{ border-color:rgb(255, 167, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5027, 50.6750, 29.9377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 136) }
```

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

```
.background{ background-color: rgb(255,  
167, 136) }
```

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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