

Converting Colors

XYZ(59.5523, 51.5505, 27.5615)

Have a look what the booklet for
XYZ(59.5523, 51.5505, 27.5615)
contains.

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Color

**XYZ(59.5772, 51.5944,
27.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAA81
RGB	255, 170, 129
RGB Percent	100%, 67%, 51%
CMY	0.0000, 0.3333, 0.4941
CMYK	0.00, 0.33, 0.49, 0.00
HSL	20°, 100%, 75%
HSV	20°, 49%, 100%
XYZ	59.5772, 51.5944, 27.5875
YIQ	190.7410, 63.8210, 5.2690

Conversions

Conversions Part 2

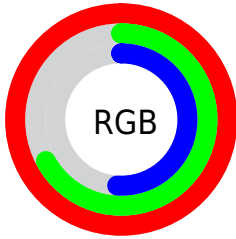
Format	Color
R_{YB}	255, 190, 129
Decimal	16755329
CIE Lab	77.04, 26.88, 33.85
CIE LCh	77, 43.230, 51.547
Yxy	51.5944, 0.4294, 0.3718
Android (android.graphics.Color)	4294945409 (0xFFFFAA81)
YUV	190.7410, -30.4383, 56.3551
Hunter-Lab	71.8292, 22.3518, 27.5089

Details

The XYZ color **59.5772, 51.5944, 27.5875** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.1487, 59.9776, 103.4886**, and the grayscale version is **49.5172, 52.0959, 56.7325**.

A 20% lighter version of the original color is **76.8799, 79.0301, 55.4583**, and **30.2782, 24.8892, 10.6054** is the 20% darker color. If you saturate the color by 10%, you get **55.0728, 44.9682, 18.7414**, and if you desaturate by 10%, it is **64.9290, 59.2387, 38.8034**.

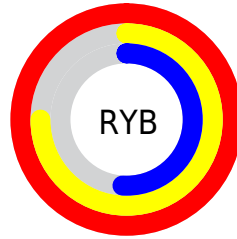
Distribution



Red (100%)

Green (67%)

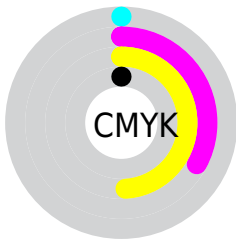
Blue (51%)



Red (100%)

Yellow (75%)

Blue (51%)

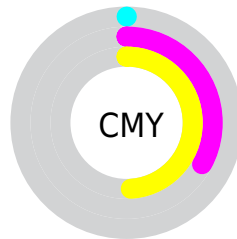


Cyan (0%)

Magenta (33%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5772, 51.5944, 27.5875 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 59.5772, 51.5944, 27.5875 by changing the saturation by 10% instead.


 59.5772, 51.5944,
27.5875

 59.5772, 51.5944,
27.5875


412.8973,
392.8688, 304.3402


 43.3261, 36.6819,
17.7786


 103.3259, 92.5328,
56.8403

 30.3367, 24.9613,
10.6234


 131.5543,
119.3275, 77.1214

 20.2436, 16.0482,
5.7032


 164.5057,
150.8516, 101.7302

 12.6816, 9.5583,
2.5996

202.5457,
187.4897, 131.0854

 7.2851, 5.1071,
0.8923

246.0395,
229.6260, 165.6054

 3.6890, 2.3102,
0.0000

295.3524,

 1.5277, 0.7791,

277.6451, 205.7089

0.0000

350.8499,
331.9312, 251.8143

■ 0.3446, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5772, 51.5944,
27.5875

■ 59.5772, 51.5944,
27.5875

■ 55.0728, 44.9682,
18.7414

■ 64.9290, 59.2387,
38.8034

■ 51.3637, 39.3071,
12.0879

■ 71.1685, 67.9358,
52.5427

■ 48.3971, 34.5645,
7.4292

■ 78.3379, 77.7278,
68.9496

■ 46.1111, 30.6857,
4.5296

■ 86.4753, 88.6523,
88.1562

■ 44.4185, 27.6040, 95.0499, 100.0000,
3.0301 108.9000

■ 44.3323, 27.4446,
2.9608

Harmonies

Analogous

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



65.3182, 51.5944, 41.0932



59.5772, 51.5944, 27.5875



51.4073, 51.5944, 22.1634

Triad

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



59.5772, 51.5944, 27.5875



34.9653, 51.5944, 49.7620



55.0970, 51.5944, 109.8970

Complementary

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



59.5772, 51.5944, 27.5875



51.1487, 59.9776, 103.4886

Split Complementary

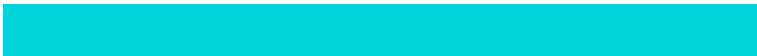
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.7444, 51.5944, 114.1435



59.5772, 51.5944, 27.5875



35.7177, 51.5944, 74.5639

Square

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



59.5772, 51.5944, 27.5875



37.6383, 51.5944, 32.4017



39.8230, 51.5944, 99.7810



62.5364, 51.5944, 89.4207

Rectangle

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



59.5772, 51.5944, 27.5875



45.9324, 51.5944, 22.3933



39.8230, 51.5944, 99.7810



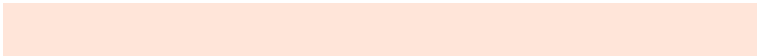
52.2825, 51.5944, 113.4617

Sweetspot

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



59.5785, 51.5970, 27.5885



81.8061, 82.4051, 77.0694



61.3690, 41.8723, 69.2053



17.1500, 17.1537, 15.6507



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.



59.5785, 51.5970, 27.5885



55.2421, 45.2214, 19.0607



74.0310, 80.5020, 32.4060



18.4921, 18.9523, 18.8279



23.2845, 14.5803, 1.5871



2.3617, 1.6087, 0.1860

Inverse Universe

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



51.1487, 59.9776, 103.4886



45.9032, 54.3566, 102.6803



38.3481, 34.3766, 99.2218



18.0274, 19.4264, 23.0495



17.2830, 19.4755, 52.2828



1.7823, 2.0953, 5.1238

Previews

White Background



This preview shows how the XYZ color 59.5772, 51.5944, 27.5875 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 59.5772, 51.5944, 27.5875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

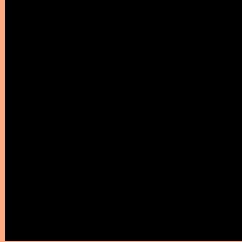
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.5772, 51.5944, 27.5875

Background



This preview shows how black text looks on a background with the XYZ color 59.5772, 51.5944, 27.5875.



This preview shows how white text looks on a background with the XYZ color 59.5772, 51.5944,

27.5875.

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

59.5772, 51.5944, 27.5875

Protanopia

48.1777, 51.6410, 31.4732

Deuteranopia

52.8718, 51.6462, 27.2607



Tritanopia

62.8120, 51.7068, 48.2648

Trichromacy



Original Color

59.5772, 51.5944, 27.5875

Protanomaly

51.7381, 51.3042, 30.0975

Deuteranomaly

55.0766, 51.5764, 27.4745

Tritanomaly

61.4039, 51.4355, 39.9494

Monochromacy



Original Color

59.5772, 51.5944, 27.5875

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.7329, 50.9903, 44.1613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5772, 51.5944, 27.5875 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, 170, 129)` looks like.

```
.text, #text, p{  
  color:rgb(255, 170, 129)  
}
```

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, 170, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 129) }
```

Border

The CSS property to change the border of an element to XYZ 59.5772, 51.5944, 27.5875 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, 170, 129) }
```


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

```
.border{ border-color:rgb(255, 170, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5772, 51.5944, 27.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 129) }
```

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

```
.background{ background-color: rgb(255,  
170, 129) }
```

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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