

Converting Colors

XYZ(115.5406, 89.4654,
30.2577)

Have a look what the booklet for
XYZ(115.5406, 89.4654, 30.2577)
contains.

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Color

**XYZ(65.3015, 63.5621,
27.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC77C
RGB	255, 199, 124
RGB Percent	100%, 78%, 49%
CMY	0.0000, 0.2196, 0.5137
CMYK	0.00, 0.22, 0.51, 0.00
HSL	34°, 100%, 74%
HSV	34°, 51%, 100%
XYZ	65.3015, 63.5621, 27.8957
YIQ	207.1940, 57.4510, -11.4530

Conversions

Conversions Part 2

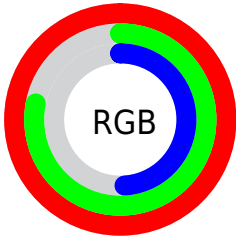
Format	Color
R _Y B	222, 255, 124
Decimal	16762748
CIE Lab	83.74, 11.29, 44.94
CIE LCh	84, 46.333, 75.892
Yxy	63.5621, 0.4166, 0.4055
Android (android.graphics.Color)	4294952828 (0xFFFFC77C)
YUV	207.1940, -41.0146, 41.9259
Hunter-Lab	79.7258, 6.6848, 35.0628

Details

The XYZ color **65.3015, 63.5621, 27.8957** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.6826, 44.1457, 100.8787**, and the grayscale version is **59.6649, 62.7721, 68.3588**.

A 20% lighter version of the original color is **85.0359, 95.9944, 56.1664**, and **34.0929, 32.4676, 10.7733** is the 20% darker color. If you saturate the color by 10%, you get **61.4744, 58.1635, 19.6666**, and if you desaturate by 10%, it is **69.7283, 69.4929, 38.3828**.

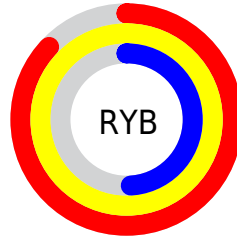
Distribution



Red (100%)

Green (78%)

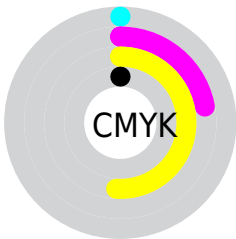
Blue (49%)



Red (87%)

Yellow (100%)

Blue (49%)

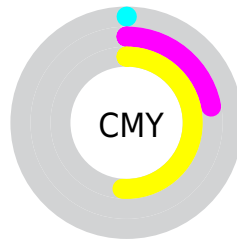


Cyan (0%)

Magenta (22%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3015, 63.5621, 27.8957 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 65.3015, 63.5621, 27.8957 by changing the saturation by 10% instead.


 65.3015, 63.5621,
27.8957


 65.3015, 63.5621,
27.8957


433.4027,
437.6066, 305.8644


 47.9712, 46.2961,
18.0087


 111.5465,
109.9800, 57.3390

 34.0152, 32.4795,
10.7867


 141.1919,
139.9008, 77.7323

 23.0683, 21.7280,
5.8112


 175.6731,
174.8085, 102.4649

 14.7649, 13.6572,
2.6637

215.3554,
215.0877, 131.9551

 8.7398, 7.8826,
0.9251

260.6041,
261.1227, 166.6217

 4.6276, 4.0199,
0.0000

311.7847,

 2.0629, 1.6847,

313.2979, 206.8831

0.0000

369.2625,
371.9978, 253.1578

0.6690, 0.4137,
0.0000

0.0000, 0.0000,
0.0000

65.3015, 63.5621,
27.8957

65.3015, 63.5621,
27.8957

61.4744, 58.1635,
19.6666

69.7283, 69.4929,
38.3828

58.2057, 53.2674,
13.5176

74.7831, 75.9656,
51.2798

55.4554, 48.8538,
9.2497

80.4977, 83.0011,
66.7298

53.1741, 44.8968,
6.6225

86.9001, 90.6160,
84.8634

■ 51.5193, 41.8189,
5.3565

94.0164, 98.8262,
105.8023

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.



75.0550, 63.5621, 36.3100



65.3015, 63.5621, 27.8957



55.2215, 63.5621, 28.1423

Triad

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



65.3015, 63.5621, 27.8957



43.5069, 63.5621, 85.6845



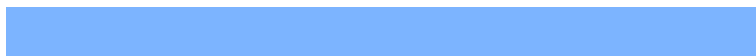
75.5529, 63.5621, 115.9041

Complementary

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



65.3015, 63.5621, 27.8957



42.6826, 44.1457, 100.8787

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.



65.9219, 63.5621, 138.1607



65.3015, 63.5621, 27.8957



47.8125, 63.5621, 117.6490

Square

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



65.3015, 63.5621, 27.8957



43.3806, 63.5621, 56.4479



55.7764, 63.5621, 138.8764



81.4075, 63.5621, 83.7600

Rectangle

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



65.3015, 63.5621, 27.8957



49.6705, 63.5621, 33.0604



55.7764, 63.5621, 138.8764



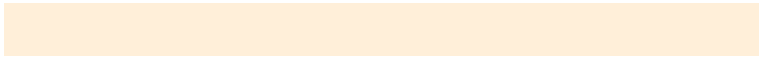
72.6043, 63.5621, 125.1416

Sweetspot

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



65.3030, 63.5652, 27.8970



84.4962, 87.7854, 77.9661



56.7644, 39.0024, 48.1276



17.7958, 18.4453, 15.8660



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.



65.3030, 63.5652, 27.8970



61.2531, 57.8414, 19.2210



77.4976, 92.6160, 32.8616



18.8729, 19.7140, 18.9548



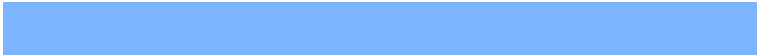
27.0713, 22.1538, 2.8493



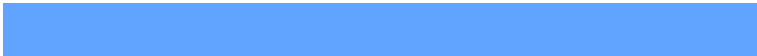
2.7443, 2.3739, 0.3136

Inverse Universe

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



42.6826, 44.1457, 100.8787



36.3302, 36.4780, 99.7339



34.8890, 26.6008, 97.9030



17.6414, 18.6543, 22.9208



12.4297, 9.7691, 50.6651



1.3160, 1.1627, 4.9683

Previews

White Background



This preview shows how the XYZ color 65.3015, 63.5621, 27.8957 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 65.3015, 63.5621, 27.8957 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 65.3015, 63.5621, 27.8957

Background



This preview shows how black text looks on a background with the XYZ color 65.3015, 63.5621, 27.8957.



This preview shows how white text looks on a background with the XYZ color 65.3015, 63.5621,

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

65.3015, 63.5621, 27.8957

Protanopia

58.6917, 63.6534, 29.6150

Deuteranopia

65.1654, 63.8346, 27.9555



Tritanopia

71.1091, 63.3671, 66.2408

Trichromacy



Original Color

65.3015, 63.5621, 27.8957

Protanomaly

60.9220, 63.3721, 29.0998

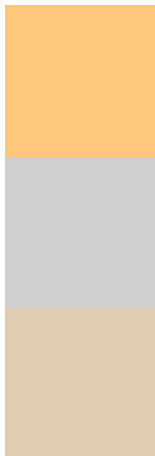
Deuteranomaly

65.1654, 63.8346, 27.9555

Tritanomaly

68.5916, 63.4248, 49.7013

Monochromacy



Original Color

65.3015, 63.5621, 27.8957

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

60.2691, 62.2073, 50.4257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3015, 63.5621, 27.8957 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, 199, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 124)  
}
```

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, 199, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 124) }
```

Border

The CSS property to change the border of an element to XYZ 65.3015, 63.5621, 27.8957 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, 199, 124) }
```


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

```
.border{ border-color:rgb(255, 199, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3015, 63.5621, 27.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 124) }
```

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

```
.background{ background-color: rgb(255,  
199, 124) }
```

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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