

Converting Colors

XYZ(65.9481, 61.0227, 29.9354)

Have a look what the booklet for
XYZ(65.9481, 61.0227, 29.9354)
contains.

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Color

**XYZ(63.9675, 60.1603,
29.7134)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBF83
RGB	255, 191, 131
RGB Percent	100%, 75%, 51%
CMY	0.0000, 0.2510, 0.4863
CMYK	0.00, 0.25, 0.49, 0.00
HSL	29°, 100%, 76%
HSV	29°, 49%, 100%
XYZ	63.9675, 60.1603, 29.7134
YIQ	203.2960, 57.4040, -5.0920

Conversions

Conversions Part 2

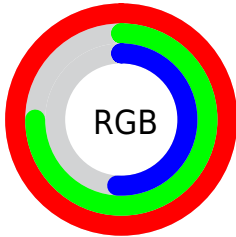
Format	Color
R_{YB}	255, 247, 131
Decimal	16760707
CIE _{Lab}	81.93, 16.08, 39.11
CIE _{LCh}	82, 42.287, 67.651
Yxy	60.1603, 0.4158, 0.3911
Android (android.graphics.Color)	4294950787 (0xFFFFBF83)
YUV	203.2960, -35.6419, 45.3444
Hunter-Lab	77.5631, 11.4764, 31.5809

Details

The XYZ color **63.9675, 60.1603, 29.7134** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.9242, 51.0733, 101.9923**, and the grayscale version is **57.1440, 60.1199, 65.4706**.

A 20% lighter version of the original color is **83.2577, 91.2843, 59.1304**, and **33.3014, 30.4919, 11.7198** is the 20% darker color. If you saturate the color by 10%, you get **59.7054, 54.0700, 20.7900**, and if you desaturate by 10%, it is **68.9157, 66.9423, 40.9647**.

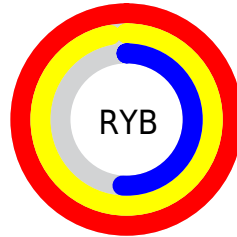
Distribution



Red (100%)

Green (75%)

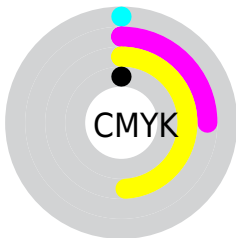
Blue (51%)



Red (100%)

Yellow (97%)

Blue (51%)

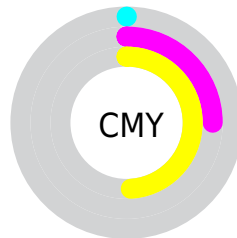


Cyan (0%)

Magenta (25%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9675, 60.1603, 29.7134 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 63.9675, 60.1603, 29.7134 by changing the saturation by 10% instead.


 63.9675, 60.1603,
29.7134

 63.9675, 60.1603,
29.7134


428.6763,
425.1884, 314.7319


 46.8859, 43.5479,
19.3709


 109.6381,
105.0622, 60.2643

 33.1531, 30.3152,
11.7591


 138.9579,
134.1204, 81.3098

 22.4035, 20.0780,
6.4593


 173.0878,
168.0960, 106.7601

 14.2720, 12.4517,
3.0531

212.3931,
207.3733, 137.0337

 8.3930, 7.0521,
1.1218

257.2393,
252.3369, 172.5491

 4.4014, 3.4947,
0.0000

307.9917,

 1.9316, 1.3951,

303.3709, 213.7249

0.0000

365.0156,
360.8600, 260.9797

■ 0.5951, 0.2131,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9675, 60.1603,
29.7134

■ 63.9675, 60.1603,
29.7134

■ 59.7054, 54.0700,
20.7900

■ 68.9157, 66.9423,
40.9647

■ 56.0866, 48.6365,
14.0215

■ 74.5807, 74.4318,
54.6930

■ 53.0691, 43.8341,
9.2160

■ 80.9963, 82.6545,
71.0387

■ 50.6028, 39.6310,
6.1450

■ 88.1926, 91.6323,
90.1307

■ 48.6188, 35.9872, 95.0498, 99.9999,
4.4843 108.9000

■ 48.3724, 35.5251,
4.3075

Harmonies

Analogous

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



71.8951, 60.1603, 39.8043



63.9675, 60.1603, 29.7134



54.9229, 60.1603, 27.8307

Triad

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



63.9675, 60.1603, 29.7134



41.7830, 60.1603, 72.2782



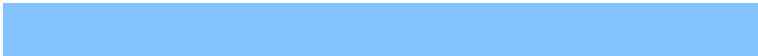
68.3340, 60.1603, 112.7114

Complementary

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



63.9675, 60.1603, 29.7134



46.9242, 51.0733, 101.9923

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.



59.4993, 60.1603, 127.3957



63.9675, 60.1603, 29.7134



44.6246, 60.1603, 100.4040

Square

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



63.9675, 60.1603, 29.7134



42.7130, 60.1603, 48.5149



50.8915, 60.1603, 122.3852



74.5937, 60.1603, 86.0586

Rectangle

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



63.9675, 60.1603, 29.7134



49.5700, 60.1603, 30.8639



50.8915, 60.1603, 122.3852



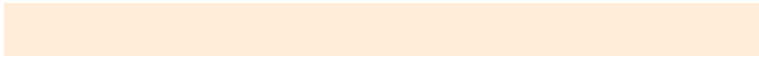
65.5328, 60.1603, 119.4895

Sweetspot

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



63.9690, 60.1632, 29.7146



83.5147, 85.8224, 77.6390



59.2143, 41.4362, 56.5468



17.5596, 17.9728, 15.7873



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.



63.9690, 60.1632, 29.7146



59.9535, 54.4324, 21.2841



80.4408, 93.1068, 35.2052



18.7348, 19.4379, 18.9088



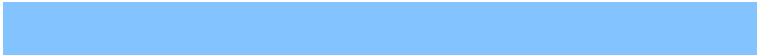
25.4237, 18.8587, 2.3001



2.5842, 2.0538, 0.2602

Inverse Universe

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



46.9242, 51.0733, 101.9923



41.1474, 44.3960, 101.0083



35.8072, 28.8393, 98.2866



17.7784, 18.9284, 22.9665



13.8650, 12.6396, 51.1435



1.4594, 1.4495, 5.0161

Previews

White Background



This preview shows how the XYZ color 63.9675, 60.1603, 29.7134 looks on a white background.

Color Contrast Check

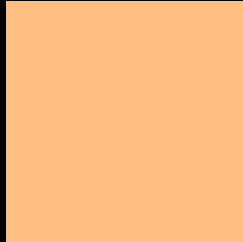
Large Text (above 18pt) WCAG AA × Fail

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 63.9675, 60.1603, 29.7134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

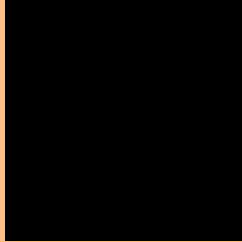
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9675, 60.1603, 29.7134

Background



This preview shows how black text looks on a background with the XYZ color 63.9675, 60.1603, 29.7134.



This preview shows how white text looks on a background with the XYZ color 63.9675, 60.1603,

29.7134.

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

63.9675, 60.1603, 29.7134

Protanopia

55.8556, 60.3355, 31.9946

Deuteranopia

61.5504, 60.2347, 29.5015



Tritanopia

68.6670, 59.9891, 60.7832

Trichromacy



Original Color

63.9675, 60.1603, 29.7134

Protanomaly

58.3308, 59.8917, 31.0402

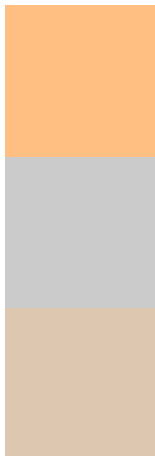
Deuteranomaly

62.3880, 60.3350, 29.4767

Tritanomaly

66.5531, 59.8178, 47.5734

Monochromacy



Original Color

63.9675, 60.1603, 29.7134

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.4834, 59.5508, 50.0070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9675, 60.1603, 29.7134 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, 191, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 131)  
}
```

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, 191, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 131) }
```

Border

The CSS property to change the border of an element to XYZ 63.9675, 60.1603, 29.7134 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, 191, 131) }
```


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

```
.border{ border-color:rgb(255, 191, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9675, 60.1603, 29.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 131) }
```

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

```
.background{ background-color: rgb(255,  
191, 131) }
```

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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