

Converting Colors

XYZ(61.5235, 84.6555, 19.7273)

Have a look what the booklet for
XYZ(61.5235, 84.6555, 19.7273)
contains.

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Color

**XYZ(61.6586, 84.7245,
19.7603)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFF4B
RGB	203, 255, 75
RGB Percent	80%, 100%, 29%
CMY	0.2039, 0.0000, 0.7059
CMYK	0.20, 0.00, 0.71, 0.00
HSL	77°, 100%, 65%
HSV	77°, 71%, 100%
XYZ	61.6586, 84.7245, 19.7603
YIQ	218.9320, 26.7880, -67.0040

Conversions

Conversions Part 2

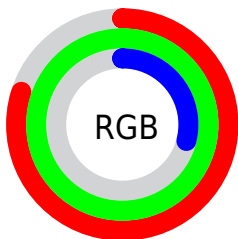
Format	Color
RYB	75, 255, 127
Decimal	13369163
CIELab	93.76, -40.29, 76.02
CIELCh	94, 86.031, 117.923
Yxy	84.7245, 0.3711, 0.5099
Android (android.graphics.Color)	4291559243 (0xFFCBBFF4B)
YUV	218.9320, -70.9585, -13.9724
Hunter-Lab	92.0459, -41.5089, 51.7038

Details

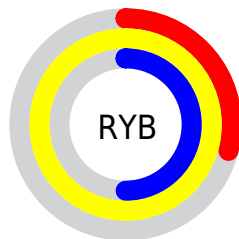
The XYZ color **61.6586, 84.7245, 19.7603** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **29.3199, 16.7656, 96.2985**, and the grayscale version is **67.7483, 71.2765, 77.6201**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **31.6957, 46.3175, 7.2696** is the 20% darker color. If you saturate the color by 10%, you get **58.9946, 83.4326, 15.9568**, and if you desaturate by 10%, it is **64.7677, 86.2054, 25.4112**.

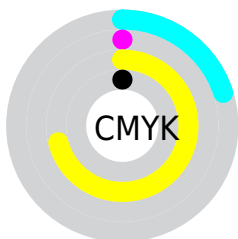
Distribution



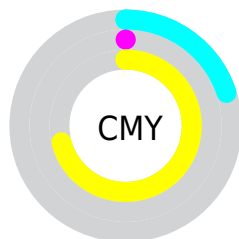
- Red (80%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (50%)



- Cyan (20%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.6586, 84.7245, 19.7603 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 61.6586, 84.7245, 19.7603 by changing the saturation by 10% instead.


 61.6586, 84.7245,
19.7603

 61.6586, 84.7245,
19.7603


420.4221,
510.7160, 263.1757

 45.0115, 63.6138,
12.0386


 106.3247,
139.9882, 43.8686


 31.6678, 46.3379,
6.6471


 135.0743,
174.9099, 61.0923


 21.2622, 32.5126,
3.1673


 168.5889,
215.2042, 82.3204

 13.4293, 21.7533,
1.1807

 207.2336,
261.2552, 107.9714

 7.8039, 13.6757,
0.0000

 251.3740,
313.4476, 138.4639

 4.0205, 7.8955,
0.0000

301.3753,

 1.7137, 4.0281,

372.1655, 174.2164

0.0000

357.6029,
437.7936, 215.6475

■ 0.4648, 1.6893,
0.0000

■ 0.0000, 0.4167,
0.0000

■ 61.6586, 84.7245,
19.7603

■ 61.6586, 84.7245,
19.7603

■ 58.9946, 83.4326,
15.9568

■ 64.7677, 86.2054,
25.4112

■ 56.7295, 82.3111,
13.7622

■ 68.3601, 87.8909,
33.1025

■ 54.8935, 81.3837,
12.8154

■ 72.4698, 89.7946,
43.0068

■ 77.1271, 91.9287,
55.2773

■ 82.3598, 94.3046,
70.0538

■ 88.1934, 96.9326,
87.4650

94.6519, 99.8224,
107.6310

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



82.1306, 84.7245, 14.9913



61.6586, 84.7245, 19.7603



48.7459, 84.7245, 40.2700

Triad

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



61.6586, 84.7245, 19.7603



59.3795, 84.7245, 245.1894



132.8891, 84.7245, 96.8853

Complementary

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



61.6586, 84.7245, 19.7603



29.3199, 16.7656, 96.2985

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.



123.7807, 84.7245, 176.4900



61.6586, 84.7245, 19.7603



78.9466, 84.7245, 283.7446

Square

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



61.6586, 84.7245, 19.7603



47.6156, 84.7245, 164.5977



102.9010, 84.7245, 254.0420



125.9131, 84.7245, 44.9873

Rectangle

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



61.6586, 84.7245, 19.7603



44.7567, 84.7245, 68.3525



102.9010, 84.7245, 254.0420



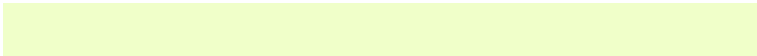
131.5761, 84.7245, 121.1558

Sweetspot

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



61.6587, 84.7245, 19.7615



82.1312, 94.2012, 69.3902



49.9717, 36.6910, 11.1060



17.2590, 20.0178, 13.9302



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.



61.6587, 84.7245, 19.7615



57.9486, 82.9178, 14.8055



43.9703, 75.6058, 18.9337



19.0199, 20.8117, 19.1589



28.8383, 42.6048, 6.7036



2.9162, 4.2041, 0.6578

Inverse Universe

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



29.3199, 16.7656, 96.2985



24.1034, 11.3814, 95.5342



48.8858, 26.8522, 97.2142



17.4959, 17.6319, 22.7311



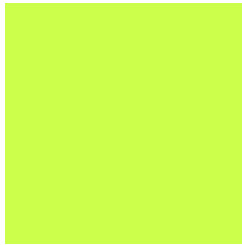
11.0209, 4.5920, 49.7401



1.1756, 0.5000, 4.8478

Previews

White Background



This preview shows how the XYZ color 61.6586, 84.7245, 19.7603 looks on a white background.

Color Contrast Check

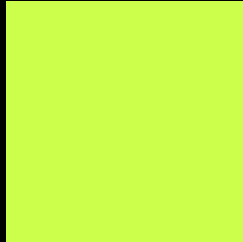
Large Text (above 18pt) WCAG AA × Fail

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 61.6586, 84.7245, 19.7603 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

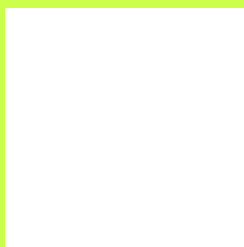
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.6586, 84.7245, 19.7603

Background



This preview shows how black text looks on a background with the XYZ color 61.6586, 84.7245, 19.7603.

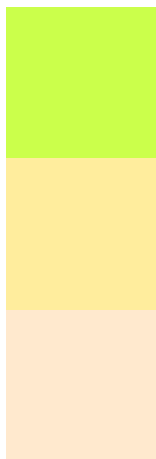


This preview shows how white text looks on a background with the XYZ color 61.6586, 84.7245,

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

61.6586, 84.7245, 19.7603

Protanopia

77.6100, 84.2627, 44.0721

Deuteranopia

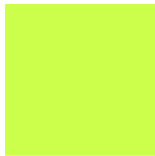
81.5195, 83.9941, 70.3085



Tritanopia

79.6759, 84.3766, 106.6947

Trichromacy



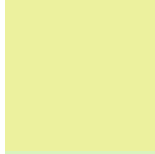
Original Color

61.6586, 84.7245, 19.7603



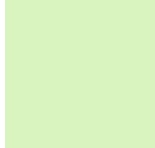
Protanomaly

70.7735, 84.0665, 32.5750



Deuteranomaly

72.2189, 83.2121, 44.6029



Tritanomaly

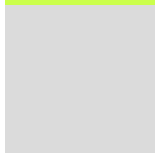
70.2602, 83.1708, 61.0657

Monochromacy



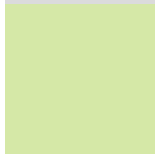
Original Color

61.6586, 84.7245, 19.7603



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.2722, 74.6494, 47.6332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6586, 84.7245, 19.7603 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(203, 255, 75)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 75)  
}
```

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(203, 255, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 75) }
```

Border

The CSS property to change the border of an element to XYZ 61.6586, 84.7245, 19.7603 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(203, 255, 75) }
```


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

```
.border{ border-color:rgb(203, 255, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 75);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6586, 84.7245, 19.7603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 75) }
```

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

```
.background{ background-color: rgb(203,  
255, 75) }
```

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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