

Converting Colors

XYZ(60.6190, 84.2663, 16.2020)

Have a look what the booklet for
XYZ(60.6190, 84.2663, 16.2020)
contains.

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Color

**XYZ(60.7147, 84.3156,
16.2065)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFF33
RGB	202, 255, 51
RGB Percent	79%, 100%, 20%
CMY	0.2078, 0.0000, 0.8000
CMYK	0.21, 0.00, 0.80, 0.00
HSL	76°, 100%, 60%
HSV	76°, 80%, 100%
XYZ	60.7147, 84.3156, 16.2065
YIQ	215.8970, 33.8960, -74.6800

Conversions

Conversions Part 2

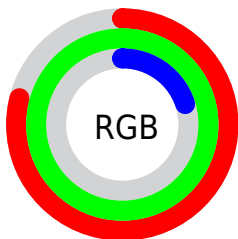
Format	Color
RYB	51, 255, 104
Decimal	13303603
CIELab	93.59, -41.75, 82.95
CIELCh	94, 92.864, 116.714
Yxy	84.3156, 0.3766, 0.5229
Android (android.graphics.Color)	4291493683 (0xFFCAFF33)
YUV	215.8970, -81.2942, -12.1877
Hunter-Lab	91.8235, -42.6651, 53.8120

Details

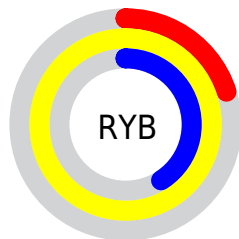
The XYZ color **60.7147, 84.3156, 16.2065** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **24.9444, 12.5322, 95.7120**, and the grayscale version is **65.7204, 69.1430, 75.2968**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **31.5218, 46.2278, 7.2615** is the 20% darker color. If you saturate the color by 10%, you get **58.5435, 83.2444, 13.9310**, and if you desaturate by 10%, it is **63.2708, 85.5496, 20.1088**.

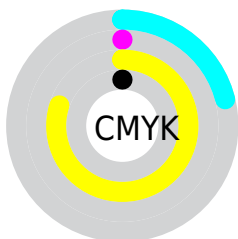
Distribution



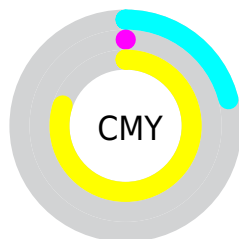
- Red (79%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (41%)



- Cyan (21%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.7147, 84.3156, 16.2065 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 60.7147, 84.3156, 16.2065 by changing the saturation by 10% instead.


 60.7147, 84.3156,
16.2065

 60.7147, 84.3156,
16.2065


417.0198,
509.3607, 242.4443

 44.2466, 63.2760,
9.5145


 104.9662,
139.4166, 37.7281


 31.0632, 46.0646,
4.9769


 133.4803,
174.2468, 53.3947

 20.7990, 32.2968,
2.1752


 166.7405,
214.4426, 72.8900

 13.0888, 21.5883,
0.6600

 205.1121,
260.3885, 96.6324

 7.5671, 13.5547,
0.0000

 248.9605,
312.4689, 125.0405

 3.8687, 7.8116,
0.0000

298.6510,

 1.6281, 3.9746,

371.0681, 158.5328

0.0000

354.5490,
436.5706, 197.5279

■ 0.4106, 1.6594,
0.0000

■ 0.0000, 0.3971,
0.0000

■ 60.7147, 84.3156,
16.2065

■ 60.7147, 84.3156,
16.2065

■ 58.5435, 83.2444,
13.9310

■ 63.2708, 85.5496,
20.1088

■ 56.6840, 82.3067,
12.8995

■ 66.2567, 86.9645,
25.8667

■ 56.6833, 82.3064,
12.8992

■ 69.7102, 88.5756,
33.6761

■ 73.6647, 90.3963,
43.7070

■ 78.1499, 92.4386,
56.1119

■ 83.1931, 94.7135,
71.0298

■ 88.8195, 97.2312,
88.5888

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.



82.8796, 84.3156, 12.1294



60.7147, 84.3156, 16.2065



46.7663, 84.3156, 35.7519

Triad

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



60.7147, 84.3156, 16.2065



56.8974, 84.3156, 257.8185



137.1943, 84.3156, 99.7860

Complementary

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



60.7147, 84.3156, 16.2065



24.9444, 12.5322, 95.7120

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.



126.4991, 84.3156, 187.9373



60.7147, 84.3156, 16.2065



77.4603, 84.3156, 304.1034

Square

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



60.7147, 84.3156, 16.2065



44.8995, 84.3156, 167.0900



103.3197, 84.3156, 273.5752



130.2081, 84.3156, 43.4092

Rectangle

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



60.7147, 84.3156, 16.2065



42.3794, 84.3156, 64.0779



103.3197, 84.3156, 273.5752



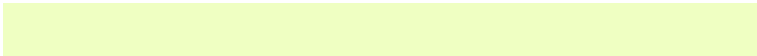
135.5021, 84.3156, 126.5605

Sweetspot

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



60.7147, 84.3156, 16.2077



81.1052, 93.7740, 64.7467



46.5899, 31.0033, 6.6618



16.9787, 19.8995, 12.7365



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.



60.7147, 84.3156, 16.2077



57.4015, 82.6702, 13.2245



41.8381, 74.5843, 15.3242



19.0735, 20.8393, 19.1614



29.7653, 43.0826, 6.7470



3.0002, 4.2474, 0.6617

Inverse Universe

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



24.9444, 12.5322, 95.7120



20.9697, 8.8895, 95.2184



44.1368, 22.4262, 96.6102



17.4454, 17.6058, 22.7287



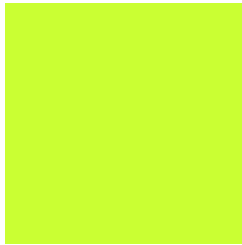
10.7317, 4.4429, 49.7265



1.1418, 0.4825, 4.8462

Previews

White Background



This preview shows how the XYZ color 60.7147, 84.3156, 16.2065 looks on a white background.

Color Contrast Check

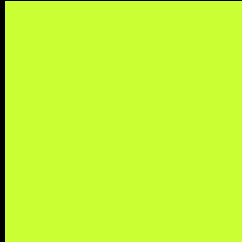
Large Text (above 18pt) WCAG AA × Fail

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 60.7147, 84.3156, 16.2065 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 60.7147, 84.3156, 16.2065

Background



This preview shows how black text looks on a background with the XYZ color 60.7147, 84.3156, 16.2065.

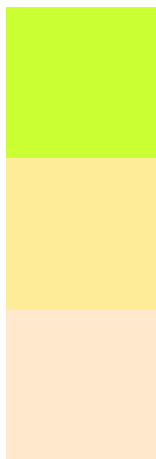


This preview shows how white text looks on a background with the XYZ color 60.7147, 84.3156,

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

60.7147, 84.3156, 16.2065

Protanopia

76.9852, 83.5508, 42.2064

Deuteranopia

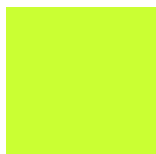
80.9957, 83.3329, 68.9427



Tritanopia

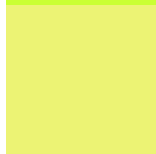
79.0747, 83.6357, 106.5834

Trichromacy



Original Color

60.7147, 84.3156, 16.2065



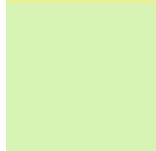
Protanomaly

69.7950, 83.1950, 28.9026



Deuteranomaly

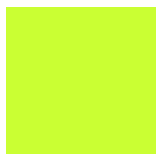
71.0975, 82.2912, 40.1535



Tritanomaly

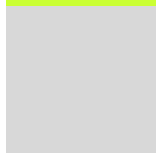
69.0101, 82.6365, 56.0293

Monochromacy



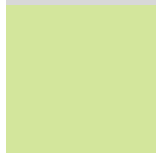
Original Color

60.7147, 84.3156, 16.2065



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.1615, 72.8428, 42.2890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7147, 84.3156, 16.2065 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(202, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 51)  
}
```

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(202, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 60.7147, 84.3156, 16.2065 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(202, 255, 51) }
```


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

```
.border{ border-color:rgb(202, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7147, 84.3156, 16.2065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 51) }
```

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

```
.background{ background-color: rgb(202,  
255, 51) }
```

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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