

Converting Colors

XYZ(67.0320, 87.5723, 16.5021)

Have a look what the booklet for
XYZ(67.0320, 87.5723, 16.5021)
contains.

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Color

**XYZ(67.0980, 87.6063,
16.5052)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FF33
RGB	224, 255, 51
RGB Percent	88%, 100%, 20%
CMY	0.1216, 0.0000, 0.8000
CMYK	0.12, 0.00, 0.80, 0.00
HSL	69°, 100%, 60%
HSV	69°, 80%, 100%
XYZ	67.0980, 87.6063, 16.5052
YIQ	222.4750, 47.0080, -70.0160

Conversions

Conversions Part 2

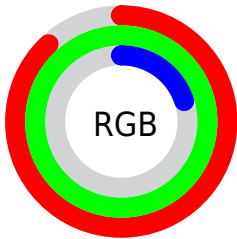
Format	Color
R_{YB}	51, 255, 82
Decimal	14745395
CIE _{Lab}	94.99, -33.22, 84.73
CIE _{LCh}	95, 91.011, 111.409
Yxy	87.6063, 0.3919, 0.5117
Android (android.graphics.Color)	4292935475 (0xFFE0FF33)
YUV	222.4750, -84.5372, 1.3374
Hunter-Lab	93.5982, -35.8352, 55.0635

Details

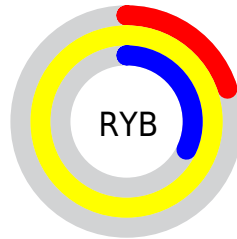
The XYZ color **67.0980, 87.6063, 16.5052** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.7148, 11.3828, 95.6076**, and the grayscale version is **70.3238, 73.9861, 80.5709**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **35.5039, 48.2807, 7.4478** is the 20% darker color. If you saturate the color by 10%, you get **65.4938, 86.8274, 14.2563**, and if you desaturate by 10%, it is **69.0374, 88.5224, 20.3786**.

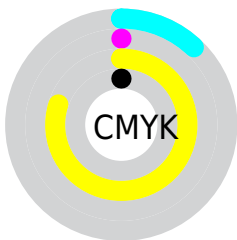
Distribution



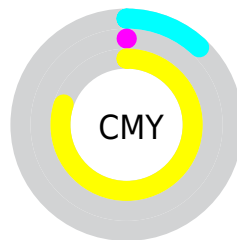
- Red (88%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (32%)



- Cyan (12%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0980, 87.6063, 16.5052 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 67.0980, 87.6063, 16.5052 by changing the saturation by 10% instead.


 67.0980, 87.6063,
16.5052


 67.0980, 87.6063,
16.5052


439.7205,
520.2131, 244.2513


 49.4353, 65.9971,
9.7241


 114.1098,
144.0089, 38.2520


 35.1808, 48.2700,
5.1132


 144.1897,
179.5711, 54.0548


 23.9694, 34.0408,
2.2540


 179.1392,
220.5530, 73.7019

 15.4355, 22.9249,
0.7052

 219.3239,
267.3391, 97.6119

 9.2139, 14.5381,
0.0000

 265.1090,
320.3138, 126.2033

 4.9392, 8.4958,
0.0000

316.8599,

 2.2460, 4.4138,

379.8614, 159.8946

0.0000

374.9419,
446.3664, 199.1044

0.7668, 1.9076,
0.0000

0.0000, 0.5530,
0.0000

67.0980, 87.6063,
16.5052

67.0980, 87.6063,
16.5052

65.4938, 86.8274,
14.2563

69.0374, 88.5224,
20.3786

64.1525, 86.1569,
13.2490

71.3563, 89.5935,
26.1053

64.1520, 86.1566,
13.2487

74.0918, 90.8344,
33.8810

77.2764, 92.2582,
43.8759

80.9391, 93.8765,
56.2424

85.1066, 95.6999,
71.1192

89.8033, 97.7383,
88.6347

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.



90.5694, 87.6063, 14.1819



67.0980, 87.6063, 16.5052



51.3737, 87.6063, 33.1910

Triad

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



67.0980, 87.6063, 16.5052



57.0043, 87.6063, 246.2012



139.6459, 87.6063, 117.1967

Complementary

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



67.0980, 87.6063, 16.5052



22.7148, 11.3828, 95.6076

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.



126.2058, 87.6063, 207.9496



67.0980, 87.6063, 16.5052



76.3684, 87.6063, 303.1515

Square

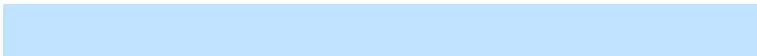
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.0980, 87.6063, 16.5052



46.3990, 87.6063, 154.1879



101.8452, 87.6063, 286.4694



135.8059, 87.6063, 53.8361

Rectangle

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



67.0980, 87.6063, 16.5052



45.8599, 87.6063, 58.2462



101.8452, 87.6063, 286.4694



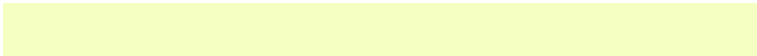
136.9163, 87.6063, 145.6875

Sweetspot

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



67.0980, 87.6063, 16.5064



83.3758, 94.9446, 64.8530



44.8256, 27.4748, 6.0737



17.5312, 20.1843, 12.7624



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.



67.0980, 87.6063, 16.5064



64.6688, 86.4166, 13.5646



44.4415, 75.9264, 15.4461



19.2740, 20.9427, 19.1708



33.6234, 45.0716, 6.9275



3.3440, 4.4246, 0.6778

Inverse Universe

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



22.7148, 11.3828, 95.6076



19.3517, 8.0554, 95.1426



38.9065, 19.7299, 96.3654



17.2599, 17.5102, 22.7201



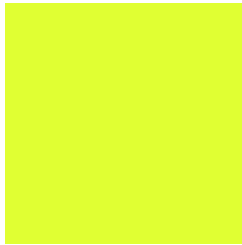
9.9400, 4.0348, 49.6895



1.0396, 0.4298, 4.8414

Previews

White Background



This preview shows how the XYZ color 67.0980, 87.6063, 16.5052 looks on a white background.

Color Contrast Check

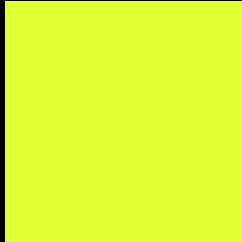
Large Text (above 18pt) WCAG AA × Fail

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 67.0980, 87.6063, 16.5052 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 67.0980, 87.6063, 16.5052

Background



This preview shows how black text looks on a background with the XYZ color 67.0980, 87.6063, 16.5052.



This preview shows how white text looks on a background with the XYZ color 67.0980, 87.6063,

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



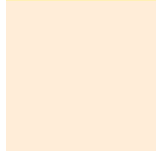
Original Color

67.0980, 87.6063, 16.5052



Protanopia

80.7406, 86.9164, 56.2371



Deuteranopia

83.9189, 86.7862, 77.2942



Tritanopia

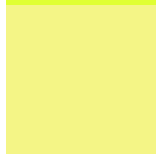
85.5867, 87.4238, 106.9713

Trichromacy



Original Color

67.0980, 87.6063, 16.5052



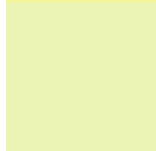
Protanomaly

74.2637, 86.2591, 35.2898



Deuteranomaly

75.6597, 86.3348, 44.1291



Tritanomaly

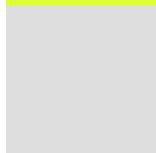
75.2832, 85.8704, 56.3229

Monochromacy



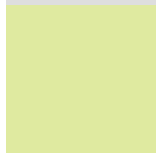
Original Color

67.0980, 87.6063, 16.5052



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.1994, 77.0717, 44.6449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0980, 87.6063, 16.5052 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(224, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 67.0980, 87.6063, 16.5052 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(224, 255, 51) }
```


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

```
.border{ border-color:rgb(224, 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(224, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0980, 87.6063, 16.5052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 51) }
```

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

```
.background{ background-color: rgb(224,  
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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