

Converting Colors

XYZ(66.4989, 87.2974, 16.4772)

Have a look what the booklet for
XYZ(66.4989, 87.2974, 16.4772)
contains.

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Color

**XYZ(66.4817, 87.2886,
16.4764)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFF33
RGB	222, 255, 51
RGB Percent	87%, 100%, 20%
CMY	0.1294, 0.0000, 0.8000
CMYK	0.13, 0.00, 0.80, 0.00
HSL	70°, 100%, 60%
HSV	70°, 80%, 100%
XYZ	66.4817, 87.2886, 16.4764
YIQ	221.8770, 45.8160, -70.4400

Conversions

Conversions Part 2

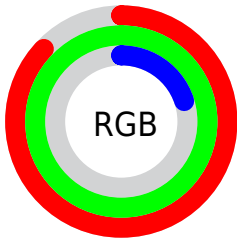
Format	Color
RYB	51, 255, 84
Decimal	14614323
CIELab	94.86, -34.01, 84.56
CIElCh	95, 91.145, 111.909
Yxy	87.2886, 0.3905, 0.5127
Android (android.graphics.Color)	4292804403 (0xFFDEFF33)
YUV	221.8770, -84.2424, 0.1079
Hunter-Lab	93.4284, -36.4827, 54.9439

Details

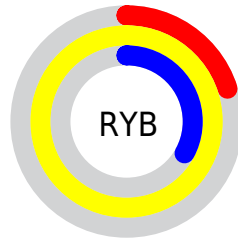
The XYZ color **66.4817, 87.2886, 16.4764** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.8914, 11.4739, 95.6159**, and the grayscale version is **69.8978, 73.5379, 80.0828**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **35.0944, 48.0695, 7.4287** is the 20% darker color. If you saturate the color by 10%, you get **64.8167, 86.4784, 14.2246**, and if you desaturate by 10%, it is **68.4854, 88.2378, 20.3529**.

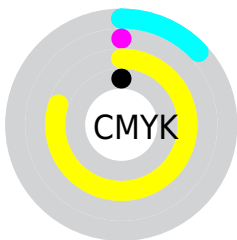
Distribution



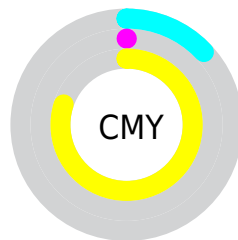
- Red (87%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (33%)



- Cyan (13%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4817, 87.2886, 16.4764 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 66.4817, 87.2886, 16.4764 by changing the saturation by 10% instead.


 66.4817, 87.2886,
16.4764


 66.4817, 87.2886,
16.4764


437.5592,
519.1707, 244.0776

 48.9327, 65.7341,
9.7039


 113.2313,
143.5663, 38.2015

 34.7804, 48.0566,
5.1000


 143.1627,
179.0583, 53.9913


 23.6595, 33.8717,
2.2463


 177.9521,
219.9649, 73.6238

 15.2046, 22.7950,
0.7009

 217.9651,
266.6705, 97.5177

 9.0503, 14.4422,
0.0000

 263.5669,
319.5595, 126.0915

 4.8314, 8.4289,
0.0000

315.1230,

 2.1824, 4.3706,

379.0162, 159.7637

0.0000

372.9986,
445.4252, 198.9529

0.7334, 1.8829,
0.0000

0.0000, 0.5381,
0.0000

66.4817, 87.2886,
16.4764

66.4817, 87.2886,
16.4764

64.8167, 86.4784,
14.2246

68.4854, 88.2378,
20.3529

63.4183, 85.7784,
13.2147

70.8721, 89.3439,
26.0827

63.4177, 85.7781,
13.2144

73.6791, 90.6216,
33.8618

76.9387, 92.0841,
43.8603

■ 80.6803, 93.7430,
56.2304

■ 84.9303, 95.6090,
71.1112

■ 89.7133, 97.6919,
88.6307

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.



89.8279, 87.2886, 13.9819



66.4817, 87.2886, 16.4764



50.9297, 87.2886, 33.4204

Triad

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



66.4817, 87.2886, 16.4764



56.9888, 87.2886, 247.2331



139.4015, 87.2886, 115.4914

Complementary

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



66.4817, 87.2886, 16.4764



22.8914, 11.4739, 95.6159

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.



126.2187, 87.2886, 206.0133



66.4817, 87.2886, 16.4764



76.4613, 87.2886, 303.2022

Square

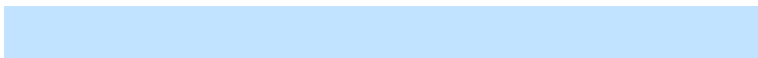
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.4817, 87.2886, 16.4764



46.2543, 87.2886, 155.3372



101.9702, 87.2886, 285.2226



135.2650, 87.2886, 52.8013

Rectangle

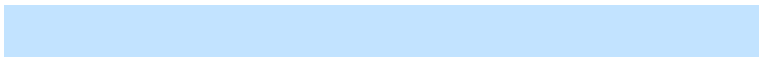
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.4817, 87.2886, 16.4764



45.5254, 87.2886, 58.7656



101.9702, 87.2886, 285.2226



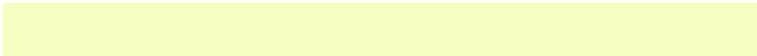
136.7692, 87.2886, 143.8226

Sweetspot

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



66.4817, 87.2886, 16.4776



83.1660, 94.8364, 64.8432



44.8256, 27.4748, 6.0737



17.4800, 20.1579, 12.7600



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.



66.4817, 87.2886, 16.4776



63.9569, 86.0496, 13.5313



44.4415, 75.9264, 15.4461



19.2557, 20.9332, 19.1700



33.2447, 44.8763, 6.9098



3.3106, 4.4074, 0.6762

Inverse Universe

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



22.8914, 11.4739, 95.6159



19.4664, 8.1145, 95.1480



38.9066, 19.7300, 96.3654



17.2767, 17.5188, 22.7208



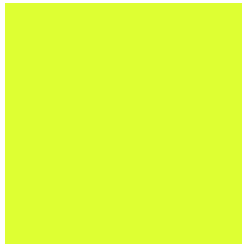
9.9948, 4.0630, 49.6920



1.0474, 0.4339, 4.8418

Previews

White Background



This preview shows how the XYZ color 66.4817, 87.2886, 16.4764 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 66.4817, 87.2886, 16.4764 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 66.4817, 87.2886, 16.4764

Background



This preview shows how black text looks on a background with the XYZ color 66.4817, 87.2886, 16.4764.

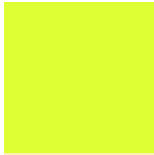


This preview shows how white text looks on a background with the XYZ color 66.4817, 87.2886, 16.4764.

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

66.4817, 87.2886, 16.4764



Protanopia

80.4360, 86.7945, 54.6331



Deuteranopia

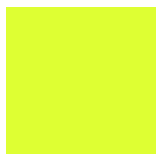
83.7899, 86.7347, 76.6152



Tritanopia

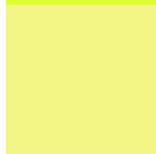
84.9002, 87.0698, 106.9392

Trichromacy



Original Color

66.4817, 87.2886, 16.4764



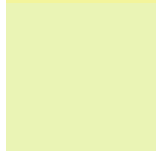
Protanomaly

73.7794, 86.0254, 34.5458



Deuteranomaly

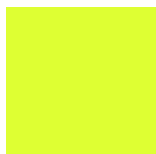
75.2292, 86.1226, 43.6687



Tritanomaly

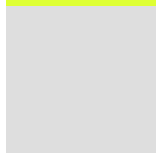
74.6229, 85.5300, 56.2920

Monochromacy



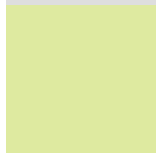
Original Color

66.4817, 87.2886, 16.4764



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.8922, 76.9133, 44.6306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4817, 87.2886, 16.4764 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(222, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 66.4817, 87.2886, 16.4764 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(222, 255, 51) }
```


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

```
.border{ border-color:rgb(222, 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(222, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4817, 87.2886, 16.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 51) }
```

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

```
.background{ background-color: rgb(222,  
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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