

Converting Colors

XYZ(66.1777, 87.1318, 16.4644)

Have a look what the booklet for
XYZ(66.1777, 87.1318, 16.4644)
contains.

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Color

**XYZ(66.1763, 87.1312,
16.4621)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF33
RGB	221, 255, 51
RGB Percent	87%, 100%, 20%
CMY	0.1333, 0.0000, 0.8000
CMYK	0.13, 0.00, 0.80, 0.00
HSL	70°, 100%, 60%
HSV	70°, 80%, 100%
XYZ	66.1763, 87.1312, 16.4621
YIQ	221.5780, 45.2200, -70.6520

Conversions

Conversions Part 2

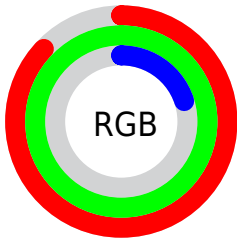
Format	Color
R _Y B	51, 255, 85
Decimal	14548787
CIE Lab	94.79, -34.40, 84.48
CIE LCh	95, 91.214, 112.158
Yxy	87.1312, 0.3898, 0.5132
Android (android.graphics.Color)	4292738867 (0xFFDDFF33)
YUV	221.5780, -84.0950, -0.5069
Hunter-Lab	93.3441, -36.8046, 54.8845

Details

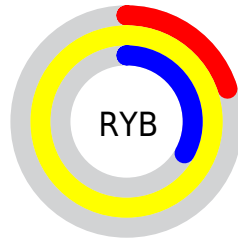
The XYZ color **66.1763, 87.1312, 16.4621** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.9816, 11.5203, 95.6201**, and the grayscale version is **69.6853, 73.3144, 79.8393**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **34.8920, 47.9652, 7.4192** is the 20% darker color. If you saturate the color by 10%, you get **64.4817, 86.3056, 14.2089**, and if you desaturate by 10%, it is **68.2115, 88.0966, 20.3400**.

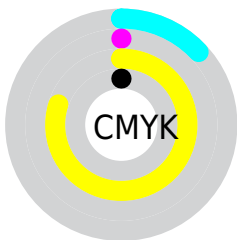
Distribution



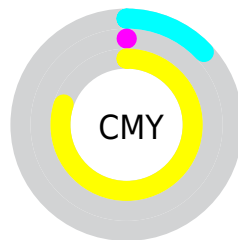
- Red (87%)
- Green (100%)
- Blue (20%)



- 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 66.1763, 87.1312, 16.4621 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 66.1763, 87.1312, 16.4621 by changing the saturation by 10% instead.


 66.1763, 87.1312,
16.4621

 66.1763, 87.1312,
16.4621


436.4858,
518.6539, 243.9914

 48.6838, 65.6038,
9.6938


 112.7957,
143.3470, 38.1765


 34.5822, 47.9508,
5.0935


 142.6532,
178.8042, 53.9597


 23.5062, 33.7880,
2.2425


 177.3631,
219.6734, 73.5850

 15.0905, 22.7307,
0.6988

 217.2908,
266.3390, 97.4709

 8.9696, 14.3948,
0.0000

 262.8015,
319.1855, 126.0359

 4.7783, 8.3958,
0.0000

314.2607,

 2.1512, 4.3492,

378.5972, 159.6987

0.0000

372.0337,
444.9585, 198.8776

■ 0.7168, 1.8708,
0.0000

■ 0.0000, 0.5307,
0.0000

■ 66.1763, 87.1312,
16.4621

■ 66.1763, 87.1312,
16.4621

■ 64.4817, 86.3056,
14.2089

■ 68.2115, 88.0966,
20.3400

■ 63.0554, 85.5913,
13.1977

■ 70.6316, 89.2198,
26.0714

■ 63.0548, 85.5910,
13.1974

■ 73.4738, 90.5158,
33.8522

■ 76.7706, 91.9974,
43.8524

■ 80.5513, 93.6765,
56.2243

■ 84.8423, 95.5637,
71.1070

■ 89.6683, 97.6688,
88.6285

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.



89.4604, 87.1312, 13.8828



66.1763, 87.1312, 16.4621



50.7096, 87.1312, 33.5353

Triad

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



66.1763, 87.1312, 16.4621



56.9816, 87.1312, 247.7514



139.2811, 87.1312, 114.6482

Complementary

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



66.1763, 87.1312, 16.4621



22.9816, 11.5203, 95.6201

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.



126.2264, 87.1312, 205.0543



66.1763, 87.1312, 16.4621



76.5083, 87.1312, 303.2307

Square

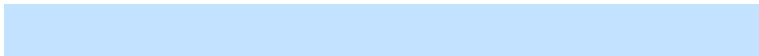
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.1763, 87.1312, 16.4621



46.1826, 87.1312, 155.9140



102.0335, 87.1312, 284.6052



134.9971, 87.1312, 52.2906

Rectangle

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



66.1763, 87.1312, 16.4621



45.3595, 87.1312, 59.0263



102.0335, 87.1312, 284.6052



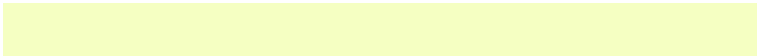
136.6972, 87.1312, 142.8999

Sweetspot

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



66.1763, 87.1311, 16.4632



83.0613, 94.7824, 64.8383



45.0869, 27.9974, 6.1608



17.4545, 20.1447, 12.7588



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.



66.1763, 87.1311, 16.4632



63.6049, 85.8681, 13.5148



43.9664, 75.6815, 15.4238



19.2465, 20.9285, 19.1695



33.0574, 44.7798, 6.9011



3.2941, 4.3989, 0.6755

Inverse Universe

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



22.9816, 11.5203, 95.6201



19.5261, 8.1453, 95.1508



39.7286, 20.1537, 96.4039



17.2851, 17.5232, 22.7212



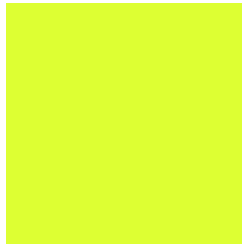
10.0234, 4.0777, 49.6934



1.0514, 0.4359, 4.8420

Previews

White Background



This preview shows how the XYZ color 66.1763, 87.1312, 16.4621 looks on a white background.

Color Contrast Check

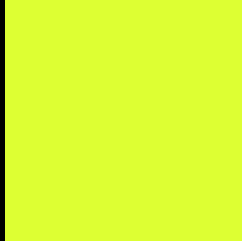
Large Text (above 18pt) WCAG AA × Fail

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 66.1763, 87.1312, 16.4621 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 66.1763, 87.1312, 16.4621

Background



This preview shows how black text looks on a background with the XYZ color 66.1763, 87.1312, 16.4621.

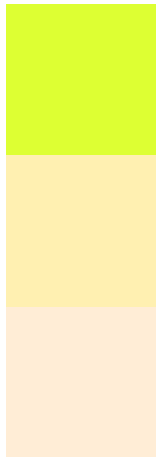


This preview shows how white text looks on a background with the XYZ color 66.1763, 87.1312,

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

66.1763, 87.1312, 16.4621

Protanopia

80.3359, 86.7545, 54.1061

Deuteranopia

83.6618, 86.6834, 75.9405



Tritanopia

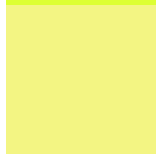
84.5597, 86.8943, 106.9233

Trichromacy



Original Color

66.1763, 87.1312, 16.4621



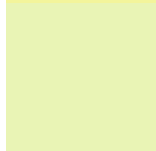
Protanomaly

73.7113, 85.9982, 34.1870



Deuteranomaly

75.2292, 86.1226, 43.6687



Tritanomaly

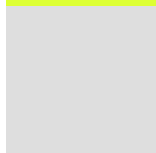
74.2954, 85.3612, 56.2766

Monochromacy



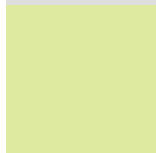
Original Color

66.1763, 87.1312, 16.4621



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 66.1763, 87.1312, 16.4621 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(221, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 66.1763, 87.1312, 16.4621 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(221, 255, 51) }
```


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

```
.border{ border-color:rgb(221, 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(221, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1763, 87.1312, 16.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 51) }
```

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

```
.background{ background-color: rgb(221,  
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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