

Converting Colors

XYZ(66.4837, 87.3587, 13.3578)

Have a look what the booklet for
XYZ(66.4837, 87.3587, 13.3578)
contains.

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Color

**XYZ(66.5005, 87.3673,
13.3586)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FF00
RGB	224, 255, 0
RGB Percent	88%, 100%, 0%
CMY	0.1216, 0.0000, 0.9998
CMYK	0.12, 0.00, 1.00, 0.00
HSL	67°, 100%, 50%
HSV	67°, 100%, 100%
XYZ	66.5005, 87.3673, 13.3586
YIQ	216.6610, 63.3790, -85.8770

Conversions

Conversions Part 2

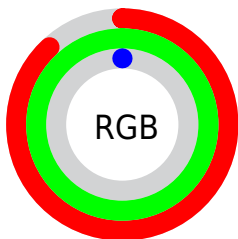
Format	Color
RYB	0, 255, 31
Decimal	14745344
CIELab	94.89, -34.11, 91.82
CIELCh	95, 97.948, 110.381
Yxy	87.3673, 0.3977, 0.5224
Android (android.graphics.Color)	4292935424 (0xFFE0FF00)
YUV	216.6610, -106.8139, 6.4363
Hunter-Lab	93.4705, -36.5777, 56.9557

Details

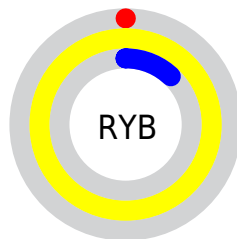
The XYZ color **66.5005, 87.3673, 13.3586** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.6167, 7.5128, 95.0766**, and the grayscale version is **66.4016, 69.8596, 76.0771**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **35.5039, 48.2807, 7.4478** is the 20% darker color. If you saturate the color by 10%, you get **66.4988, 87.3664, 13.3586**, and if you desaturate by 10%, it is **67.6514, 87.9397, 14.3589**.

Distribution



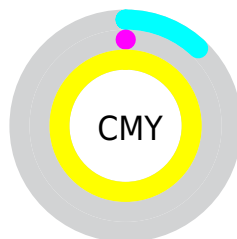
- Red (88%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (12%)



- Cyan (12%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5005, 87.3673, 13.3586 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 66.5005, 87.3673, 13.3586 by changing the saturation by 10% instead.

66.5005, 87.3673,
13.3586

66.5005, 87.3673,
13.3586

437.6252,
519.4290, 224.4912

48.9480, 65.7992,
7.5423

113.2581,
143.6760, 32.6471

34.7926, 48.1094,
3.7200

143.1940,
179.1854, 46.9564

23.6689, 33.9135,
1.4730

177.9884,
220.1106, 64.9338

15.2116, 22.8272,
0.1977

218.0066,
266.8362, 86.9979

9.0553, 14.4660,
0.0000

263.6140,
319.7464, 113.5671

4.8347, 8.4455,
0.0000

315.1760,

2.1843, 4.3813,

379.2257, 145.0600

0.0000

373.0580,
445.6584, 181.8952

■ 0.7345, 1.8891,
0.0000

■ 0.0000, 0.5418,
0.0000

■ 66.5005, 87.3673,
13.3586

■ 66.5005, 87.3673,
13.3586

■ 66.4988, 87.3664,
13.3586

■ 67.6514, 87.9397,
14.3589

■ 69.0559, 88.6155,
16.6014

■ 70.7859, 89.4237,
20.4658

■ 72.8858, 90.3818,
26.1845

75.3924, 91.5046,
33.9520

78.3381, 92.8053,
43.9383

81.7521, 94.2952,
56.2959

85.6608, 95.9852,
71.1636

90.0885, 97.8849,
88.6696

Harmonies

Analogous

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



91.8658, 87.3673, 11.5316



66.5005, 87.3673, 13.3586



49.5976, 87.3673, 29.0383

Triad

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



66.5005, 87.3673, 13.3586



54.5554, 87.3673, 258.0324



144.2246, 87.3673, 121.7096

Complementary

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



66.5005, 87.3673, 13.3586



18.6167, 7.5128, 95.0766

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.



128.8964, 87.3673, 222.1307



66.5005, 87.3673, 13.3586



74.7984, 87.3673, 324.3364

Square

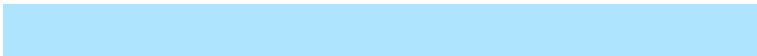
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5005, 87.3673, 13.3586



43.7903, 87.3673, 155.6669



102.1169, 87.3673, 308.5249



140.6739, 87.3673, 52.7567

Rectangle

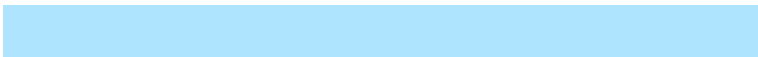
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.5005, 87.3673, 13.3586



43.6391, 87.3673, 53.9983



102.1169, 87.3673, 308.5249



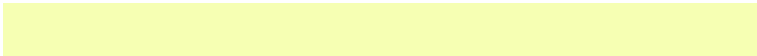
141.0038, 87.3673, 153.1461

Sweetspot

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



66.5005, 87.3673, 13.3598



81.7465, 94.2928, 56.2750



41.6991, 22.1778, 2.0841



17.1765, 20.0430, 10.8665



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.



66.5005, 87.3673, 13.3598



66.4988, 87.3664, 13.3586



40.7729, 74.1042, 12.1557



19.3310, 20.9721, 19.1735



34.8330, 45.6951, 6.9842



3.4501, 4.4794, 0.6828

Inverse Universe

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



18.6167, 7.5128, 95.0766



18.6152, 7.5114, 95.0765



32.0068, 14.4156, 95.7033



17.2081, 17.4835, 22.7176



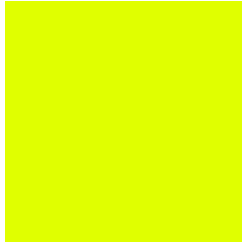
9.7907, 3.9578, 49.6825



1.0153, 0.4173, 4.8403

Previews

White Background



This preview shows how the XYZ color 66.5005, 87.3673, 13.3586 looks on a white background.

Color Contrast Check

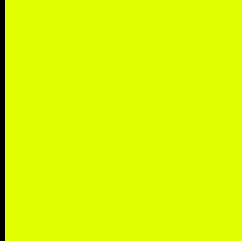
Large Text (above 18pt) WCAG AA × Fail

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 66.5005, 87.3673, 13.3586 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 66.5005, 87.3673, 13.3586

Background



This preview shows how black text looks on a background with the XYZ color 66.5005, 87.3673, 13.3586.

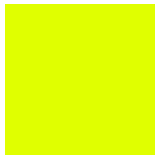


This preview shows how white text looks on a background with the XYZ color 66.5005, 87.3673,

Color Blindness Simulation

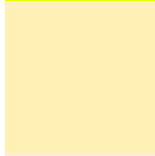
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

66.5005, 87.3673, 13.3586



Protanopia

80.5368, 86.8348, 55.1639



Deuteranopia

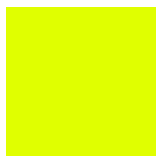
83.7899, 86.7347, 76.6152



Tritanopia

85.2963, 86.8431, 106.8745

Trichromacy



Original Color

66.5005, 87.3673, 13.3586



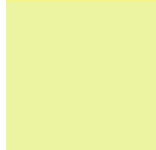
Protanomaly

72.9979, 85.7528, 28.6241



Deuteranomaly

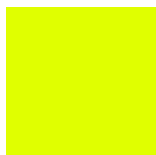
74.1743, 85.7406, 36.3071



Tritanomaly

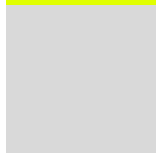
73.4643, 85.1429, 46.7447

Monochromacy



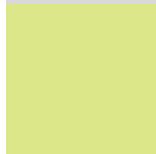
Original Color

66.5005, 87.3673, 13.3586



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.6786, 74.2024, 35.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5005, 87.3673, 13.3586 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 66.5005, 87.3673, 13.3586 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, 0) }
```


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

```
.border{ border-color:rgb(224, 255, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5005, 87.3673, 13.3586 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, 0) }
```

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

```
.background{ background-color: rgb(224,  
255, 0) }
```

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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