

Converting Colors

XYZ(66.4687, 86.6867, 43.3659)

Have a look what the booklet for
XYZ(66.4687, 86.6867, 43.3659)
contains.

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Color

**XYZ(66.4116, 86.6573,
43.3633)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFF99
RGB	204, 255, 153
RGB Percent	80%, 100%, 60%
CMY	0.2000, 0.0000, 0.4000
CMYK	0.20, 0.00, 0.40, 0.00
HSL	90°, 100%, 80%
HSV	90°, 40%, 100%
XYZ	66.4116, 86.6573, 43.3633
YIQ	228.1230, 2.3460, -42.5340

Conversions

Conversions Part 2

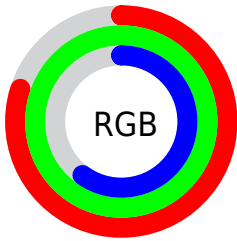
Format	Color
RYB	153, 255, 204
Decimal	13434777
CIELab	94.59, -33.01, 43.53
CIELCh	95, 54.631, 127.174
Yxy	86.6573, 0.3381, 0.4412
Android (android.graphics.Color)	4291624857 (0xFFCCFF99)
YUV	228.1230, -37.0356, -21.1559
Hunter-Lab	93.0899, -35.5630, 37.5444

Details

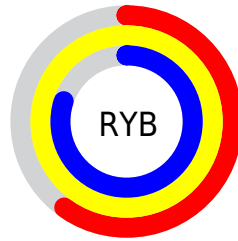
The XYZ color **66.4116, 86.6573, 43.3633** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.3443, 42.8412, 100.0127**, and the grayscale version is **74.0937, 77.9523, 84.8901**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **34.7071, 47.6042, 19.4159** is the 20% darker color. If you saturate the color by 10%, you get **61.1724, 84.1743, 33.2741**, and if you desaturate by 10%, it is **72.3877, 89.4681, 55.8386**.

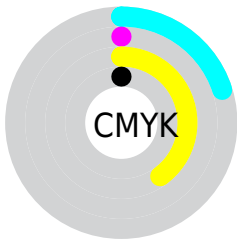
Distribution



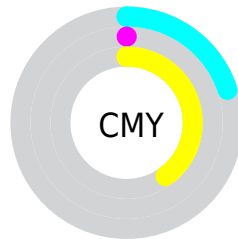
- Red (80%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4116, 86.6573, 43.3633 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 66.4116, 86.6573, 43.3633 by changing the saturation by 10% instead.


 66.4116, 86.6573,
43.3633


 66.4116, 86.6573,
43.3633


437.3129,
517.0961, 376.0687

 48.8755, 65.2116,
29.8368


 113.1313,
142.6864, 81.5510

 34.7349, 47.6327,
19.4637


 143.0457,
178.0386, 107.0493

 23.6243, 33.5361,
11.8256


177.8170,
218.7951, 137.3752

 15.1784, 22.5375,
6.5040

217.8104,
265.3403, 172.9474

 9.0318, 14.2523,
3.0802

263.3913,
318.0586, 214.1843

 4.8192, 8.2964,
1.1357

314.9252,

 2.1752, 4.2852,

377.3344, 261.5044

0.0000

372.7772,
443.5521, 315.3264

0.7296, 1.8343,
0.0000

0.0000, 0.5084,
0.0000

66.4116, 86.6573,
43.3633

66.4116, 86.6573,
43.3633

61.1724, 84.1743,
33.2741

72.3877, 89.4681,
55.8386

56.6334, 82.0036,
25.4145

79.1326, 92.6203,
70.8354

52.7554, 80.1287,
19.6154

86.6774, 96.1270,
88.4835

49.4943, 78.5312,
15.6817

95.0500, 100.0000,
108.9000

■ 46.7981, 77.1895,
13.3809

■ 44.5868, 76.0704,
12.3332

■ 44.5866, 76.0703,
12.3331

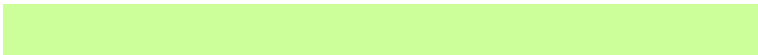
Harmonies

Analogous

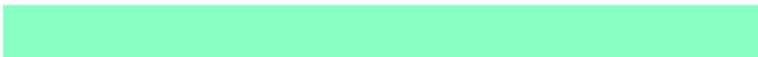
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8789, 86.6573, 34.5951



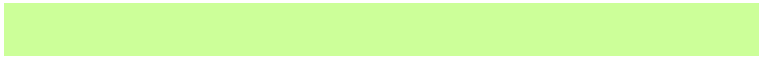
66.4116, 86.6573, 43.3633



58.9244, 86.6573, 66.2607

Triad

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



66.4116, 86.6573, 43.3633



71.8608, 86.6573, 190.5830



113.7777, 86.6573, 84.5845

Complementary

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



66.4116, 86.6573, 43.3633



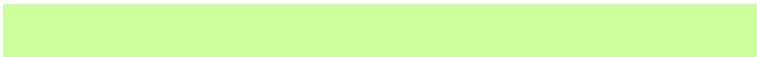
54.3443, 42.8412, 100.0127

Split Complementary

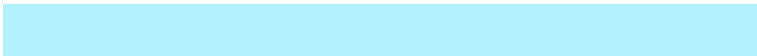
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.3200, 86.6573, 129.4431



66.4116, 86.6573, 43.3633



85.9527, 86.6573, 199.8634

Square

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



66.4116, 86.6573, 43.3633



61.7989, 86.6573, 152.3336



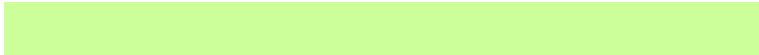
100.6886, 86.6573, 174.8523



107.0525, 86.6573, 53.3443

Rectangle

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



66.4116, 86.6573, 43.3633



57.1952, 86.6573, 90.4132



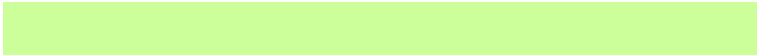
100.6886, 86.6573, 174.8523



114.0101, 86.6573, 98.4099

Sweetspot

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



66.4119, 86.6574, 43.3646



85.1022, 95.3963, 84.7337



68.5832, 66.7464, 39.4069



17.9991, 20.3183, 17.6253



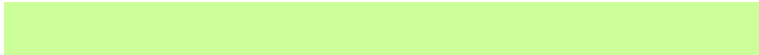
0.0000, 0.0000, 0.0000



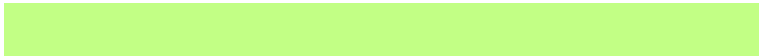
20.3446, 21.4041, 23.3091

Same Dimension

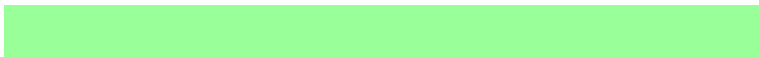
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4119, 86.6574, 43.3646



62.1625, 84.6451, 35.1075



54.6474, 80.5926, 42.8140



18.6369, 20.6143, 19.1410



23.4696, 39.8371, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



54.3443, 42.8412, 100.0127



48.5801, 35.3288, 98.8664



70.6817, 51.2634, 100.7772



17.8684, 17.8239, 22.7485



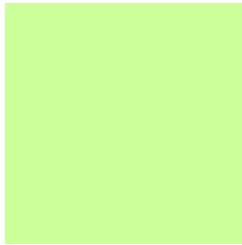
14.2163, 6.2392, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 66.4116, 86.6573, 43.3633 looks on a white background.

Color Contrast Check

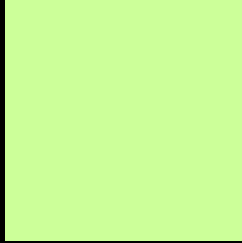
Large Text (above 18pt) WCAG AA × Fail

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 66.4116, 86.6573, 43.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

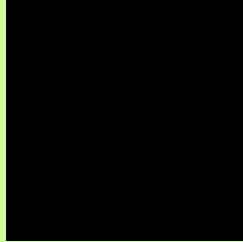
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

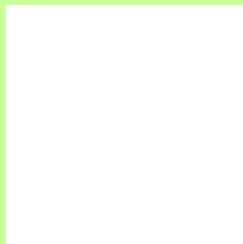
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4116, 86.6573, 43.3633

Background



This preview shows how black text looks on a background with the XYZ color 66.4116, 86.6573, 43.3633.

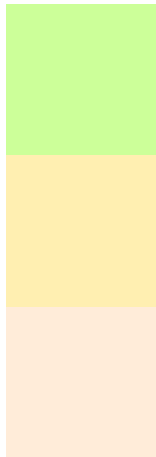


This preview shows how white text looks on a background with the XYZ color 66.4116, 86.6573,

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

66.4116, 86.6573, 43.3633

Protanopia

80.0423, 86.1673, 54.0082

Deuteranopia

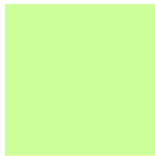
83.7598, 86.2607, 77.8810



Tritanopia

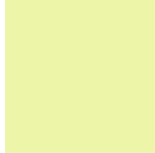
80.8693, 86.2993, 107.0029

Trichromacy



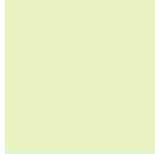
Original Color

66.4116, 86.6573, 43.3633



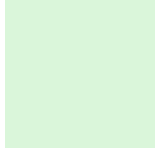
Protanomaly

74.3124, 85.9648, 49.7220



Deuteranomaly

76.3803, 85.8291, 63.5799



Tritanomaly

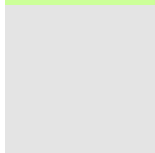
74.5241, 85.8789, 78.9781

Monochromacy



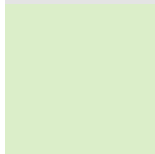
Original Color

66.4116, 86.6573, 43.3633



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.3306, 80.4262, 67.0753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4116, 86.6573, 43.3633 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(204, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 153)  
}
```

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(204, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 66.4116, 86.6573, 43.3633 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(204, 255, 153) }
```


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

```
.border{ border-color:rgb(204, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4116, 86.6573, 43.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 153) }
```

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

```
.background{ background-color: rgb(204,  
255, 153) }
```

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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