

Converting Colors

XYZ(88.7152, 135.2987,
58.7441)

Have a look what the booklet for
XYZ(88.7152, 135.2987, 58.7441)
contains.

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Color

**XYZ(63.6605, 85.0759,
50.6022)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFA9
RGB	188, 255, 169
RGB Percent	74%, 100%, 66%
CMY	0.2627, 0.0000, 0.3372
CMYK	0.26, 0.00, 0.34, 0.00
HSL	107°, 100%, 83%
HSV	107°, 34%, 100%
XYZ	63.6605, 85.0759, 50.6022
YIQ	225.1630, -12.3260, -40.9500

Conversions

Conversions Part 2

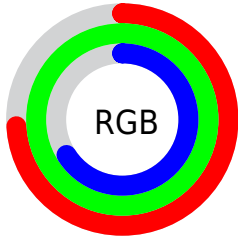
Format	Color
RYB	169, 255, 236
Decimal	12386217
CIELab	93.92, -36.31, 34.59
CIELCh	94, 50.148, 136.384
Yxy	85.0759, 0.3194, 0.4268
Android (android.graphics.Color)	4290576297 (0xFFBCFFA9)
YUV	225.1630, -27.6884, -32.5920
Hunter-Lab	92.2366, -38.2157, 32.0384

Details

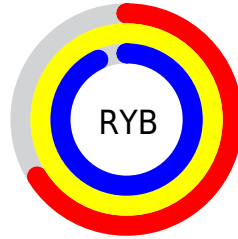
The XYZ color **63.6605, 85.0759, 50.6022** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.8311, 53.4301, 101.3984**, and the grayscale version is **71.8842, 75.6278, 82.3586**.

A 20% lighter version of the original color is **87.3566, 96.5491, 85.2658**, and **33.0193, 46.6357, 23.7843** is the 20% darker color. If you saturate the color by 10%, you get **56.9332, 81.8580, 38.9862**, and if you desaturate by 10%, it is **71.5294, 88.8284, 64.7110**.

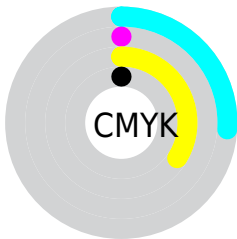
Distribution



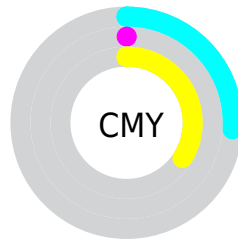
- Red (74%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (93%)



- Cyan (26%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6605, 85.0759, 50.6022 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 63.6605, 85.0759, 50.6022 by changing the saturation by 10% instead.


 63.6605, 85.0759,
50.6022

 63.6605, 85.0759,
50.6022


427.5843,
511.8792, 405.8186

 46.6364, 63.9041,
35.5176


 109.1983,
140.4792, 92.4720

 32.9551, 46.5730,
23.7751


138.4428,
175.4795, 120.0942

 22.2511, 32.6982,
14.9562


172.4914,
215.8581, 152.7327

 14.1591, 21.8954,
8.6424

211.7095,
261.9994, 190.8061

 8.3139, 13.7800,
4.4151

256.4625,
314.2877, 234.7328

 4.3499, 7.9678,
1.8557

307.1157,

 1.9019, 4.0744,

373.1075, 284.9314

0.4643

364.0345,
438.8432, 341.8205

■ 0.5780, 1.7153,
0.0000

■ 0.0000, 0.4335,
0.0000

■ 63.6605, 85.0759,
50.6022

■ 63.6605, 85.0759,
50.6022

■ 56.9332, 81.8580,
38.9862

■ 71.5294, 88.8284,
64.7110

■ 51.2914, 79.1490,
29.7143

■ 80.5893, 93.1380,
81.4419

■ 46.6764, 76.9219,
22.6281

■ 90.8883, 98.0269,
100.9199

■ 43.0228, 75.1471,
17.5479

95.0500, 100.0000,
108.9000

■ 40.2571, 73.7911,
14.2655

■ 38.2937, 72.8154,
12.5268

■ 37.4096, 72.3704,
11.9972

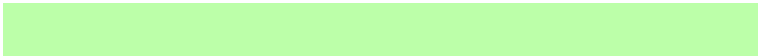
Harmonies

Analogous

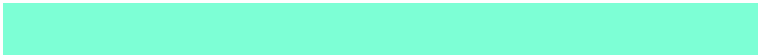
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8332, 85.0759, 38.4775



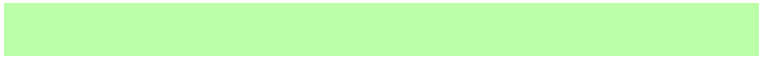
63.6605, 85.0759, 50.6022



58.3858, 85.0759, 76.3780

Triad

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



63.6605, 85.0759, 50.6022



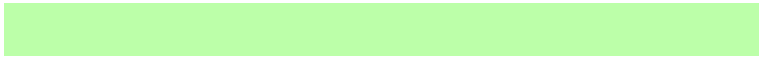
74.9669, 85.0759, 184.0603



108.0827, 85.0759, 73.3997

Complementary

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



63.6605, 85.0759, 50.6022



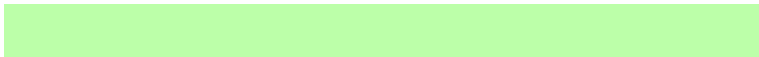
66.8311, 53.4301, 101.3984

Split Complementary

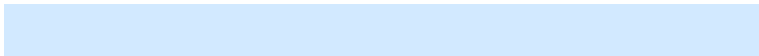
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.4728, 85.0759, 111.0452



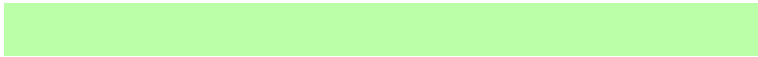
63.6605, 85.0759, 50.6022



88.3235, 85.0759, 182.6107

Square

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



63.6605, 85.0759, 50.6022



64.4114, 85.0759, 156.7238



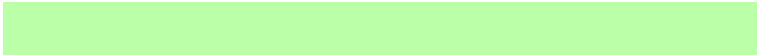
100.9128, 85.0759, 153.1835



99.8993, 85.0759, 48.9418

Rectangle

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



63.6605, 85.0759, 50.6022



57.9344, 85.0759, 101.0533



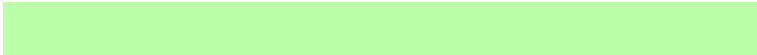
100.9128, 85.0759, 153.1835



109.1583, 85.0759, 84.6943

Sweetspot

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



63.6610, 85.0762, 50.6035



84.2778, 94.8900, 88.3690



78.0911, 83.5035, 49.5394



17.7366, 20.1668, 18.3454



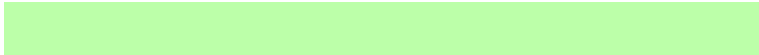
0.0000, 0.0000, 0.0000



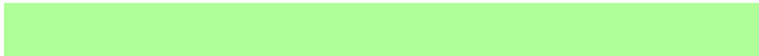
20.3446, 21.4041, 23.3091

Same Dimension

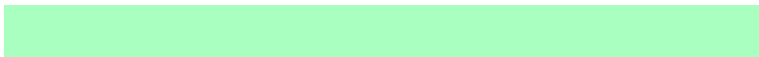
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6610, 85.0762, 50.6035



59.3090, 82.9957, 43.0309



61.6300, 83.7582, 62.7503



18.1468, 20.3616, 19.1181



19.6505, 37.8683, 6.2736



2.0017, 3.7327, 0.6150

Inverse Universe

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



66.8311, 53.4301, 101.3984



62.8715, 47.2364, 100.4116



70.0035, 55.4670, 83.4107



18.3770, 18.0861, 22.7723



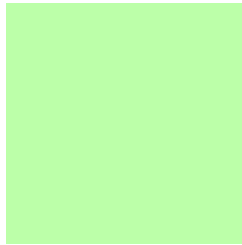
21.8258, 10.1621, 50.2457



2.2173, 1.0370, 4.8966

Previews

White Background



This preview shows how the XYZ color 63.6605, 85.0759, 50.6022 looks on a white background.

Color Contrast Check

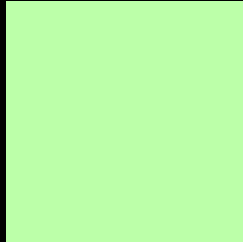
Large Text (above 18pt) WCAG AA × Fail

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 63.6605, 85.0759, 50.6022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

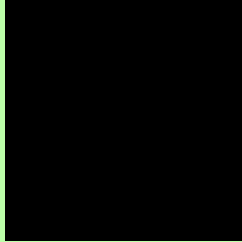
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6605, 85.0759, 50.6022

Background



This preview shows how black text looks on a background with the XYZ color 63.6605, 85.0759, 50.6022.

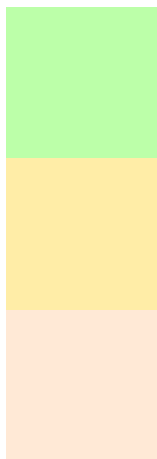


This preview shows how white text looks on a background with the XYZ color 63.6605, 85.0759,

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

63.6605, 85.0759, 50.6022

Protanopia

78.4992, 84.6184, 48.7548

Deuteranopia

82.5165, 84.3929, 75.5587



Tritanopia

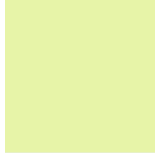
77.5296, 84.5777, 106.8466

Trichromacy



Original Color

63.6605, 85.0759, 50.6022



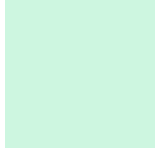
Protanomaly

72.3736, 84.5174, 49.5448



Deuteranomaly

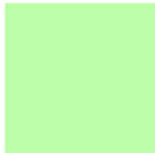
74.6033, 83.9767, 65.7032



Tritanomaly

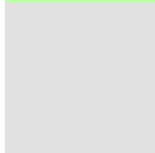
71.5872, 84.2725, 83.0142

Monochromacy



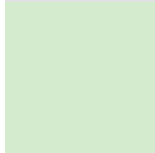
Original Color

63.6605, 85.0759, 50.6022



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.1663, 78.3957, 69.2968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6605, 85.0759, 50.6022 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(188, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 169)  
}
```

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(188, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 63.6605, 85.0759, 50.6022 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(188, 255, 169) }
```


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

```
.border{ border-color:rgb(188, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6605, 85.0759, 50.6022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 169) }
```

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

```
.background{ background-color: rgb(188,  
255, 169) }
```

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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