

Converting Colors

XYZ(64.0209, 85.2580, 50.7868)

Have a look what the booklet for
XYZ(64.0209, 85.2580, 50.7868)
contains.

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Color

**XYZ(63.9077, 85.2034,
50.6137)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFFA9
RGB	189, 255, 169
RGB Percent	74%, 100%, 66%
CMY	0.2588, 0.0000, 0.3372
CMYK	0.26, 0.00, 0.34, 0.00
HSL	106°, 100%, 83%
HSV	106°, 34%, 100%
XYZ	63.9077, 85.2034, 50.6137
YIQ	225.4620, -11.7300, -40.7380

Conversions

Conversions Part 2

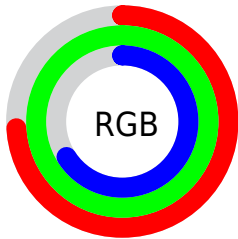
Format	Color
RYB	169, 255, 235
Decimal	12451753
CIELab	93.97, -35.98, 34.68
CIELCh	94, 49.968, 136.055
Yxy	85.2034, 0.3200, 0.4266
Android (android.graphics.Color)	4290641833 (0xFFBDDFA9)
YUV	225.4620, -27.8358, -31.9772
Hunter-Lab	92.3057, -37.9508, 32.1037

Details

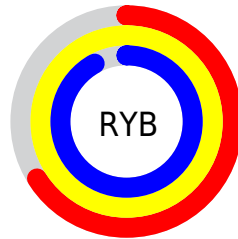
The XYZ color **63.9077, 85.2034, 50.6137** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.5000, 53.2593, 101.3829**, and the grayscale version is **72.1005, 75.8553, 82.6064**.

A 20% lighter version of the original color is **87.7084, 96.7304, 85.2823**, and **33.1780, 46.7175, 23.7917** is the 20% darker color. If you saturate the color by 10%, you get **57.2108, 82.0012, 38.9991**, and if you desaturate by 10%, it is **71.7274, 88.9305, 64.7202**.

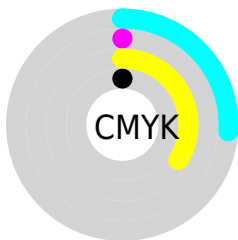
Distribution



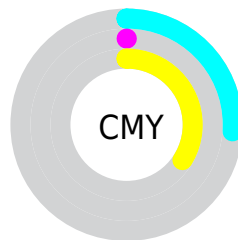
- Red (74%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (92%)



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9077, 85.2034, 50.6137 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 63.9077, 85.2034, 50.6137 by changing the saturation by 10% instead.


 63.9077, 85.2034,
50.6137

 63.9077, 85.2034,
50.6137


428.4638,
512.3009, 405.8647

 46.8373, 64.0095,
35.5267


 109.5525,
140.6573, 92.4891

 33.1145, 46.6583,
23.7821


138.8576,
175.6861, 120.1147

 22.3738, 32.7656,
14.9613


172.9717,
216.0953, 152.7567

 14.2500, 21.9470,
8.6459

212.2600,
262.2692, 190.8339

 8.3776, 13.8179,
4.4173

257.0881,
314.5924, 234.7648

 4.3913, 7.9941,
1.8570

307.8211,

 1.9258, 4.0912,

373.4491, 284.9678

0.4651

364.8246,
439.2238, 341.8616

■ 0.5918, 1.7247,
0.0000

■ 0.0000, 0.4396,
0.0000

■ 63.9077, 85.2034,
50.6137

■ 63.9077, 85.2034,
50.6137

■ 57.2108, 82.0012,
38.9991

■ 71.7274, 88.9305,
64.7202

■ 51.5822, 79.2989,
29.7279

■ 80.7183, 93.2045,
81.4479

■ 46.9644, 77.0704,
22.6416

■ 90.9273, 98.0470,
100.9216

■ 43.2936, 75.2867,
17.5606

95.0500, 100.0000,
108.9000

■ 40.4983, 73.9154,
14.2767

■ 38.4948, 72.9191,
12.5362

■ 37.5814, 72.4590,
12.0052

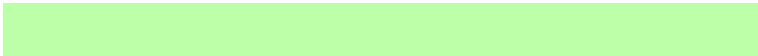
Harmonies

Analogous

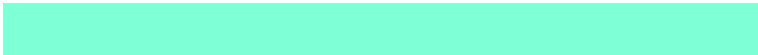
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1048, 85.2034, 38.6306



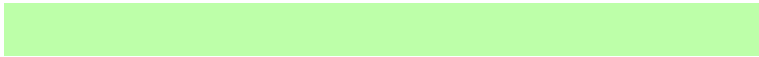
63.9077, 85.2034, 50.6137



58.5839, 85.2034, 76.1955

Triad

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



63.9077, 85.2034, 50.6137



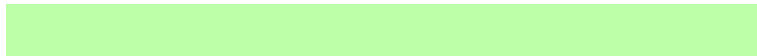
74.9670, 85.2034, 183.7157



108.1721, 85.2034, 73.9295

Complementary

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



63.9077, 85.2034, 50.6137



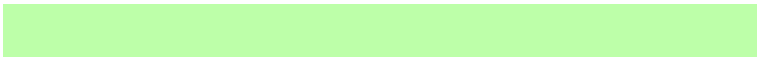
66.5000, 53.2593, 101.3829

Split Complementary

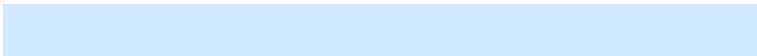
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.4685, 85.2034, 111.5936



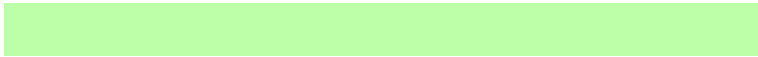
63.9077, 85.2034, 50.6137



88.2747, 85.2034, 182.6151

Square

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



63.9077, 85.2034, 50.6137



64.4790, 85.2034, 156.2364



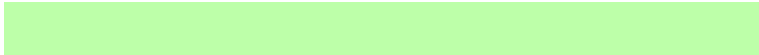
100.8580, 85.2034, 153.5478



100.0878, 85.2034, 49.3488

Rectangle

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



63.9077, 85.2034, 50.6137



58.0922, 85.2034, 100.7263



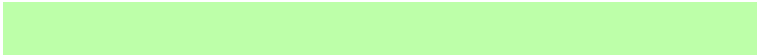
100.8580, 85.2034, 153.5478



109.2137, 85.2034, 85.2479

Sweetspot

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



63.9081, 85.2036, 50.6150



84.3759, 94.9406, 88.3736



78.0911, 83.5035, 49.5393



17.7602, 20.1790, 18.3466



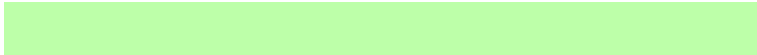
0.0000, 0.0000, 0.0000



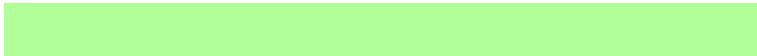
20.3446, 21.4041, 23.3091

Same Dimension

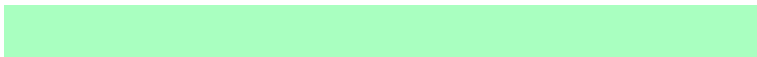
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.9081, 85.2036, 50.6150



59.5774, 83.1341, 43.0434



61.6300, 83.7582, 62.7502



18.1668, 20.3719, 19.1190



19.7446, 37.9168, 6.2780



2.0135, 3.7388, 0.6155

Inverse Universe

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



66.5000, 53.2593, 101.3829



62.4868, 47.0381, 100.3936



70.0035, 55.4669, 83.4107



18.3554, 18.0750, 22.7713



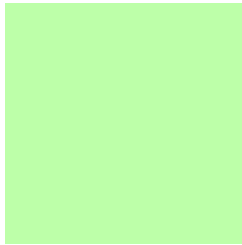
21.4240, 9.9549, 50.2269



2.1813, 1.0184, 4.8949

Previews

White Background



This preview shows how the XYZ color 63.9077, 85.2034, 50.6137 looks on a white background.

Color Contrast Check

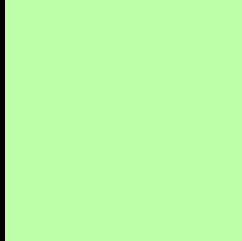
Large Text (above 18pt) WCAG AA × Fail

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 63.9077, 85.2034, 50.6137 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

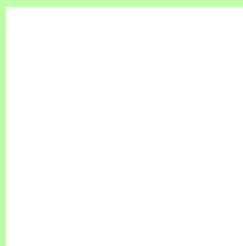
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9077, 85.2034, 50.6137

Background



This preview shows how black text looks on a background with the XYZ color 63.9077, 85.2034, 50.6137.

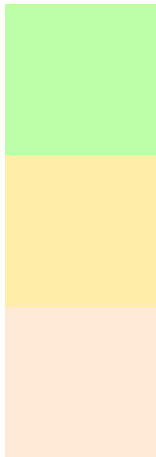


This preview shows how white text looks on a background with the XYZ color 63.9077, 85.2034,

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

63.9077, 85.2034, 50.6137

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

82.6447, 84.4441, 76.2335



Tritanopia

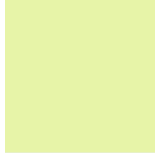
77.5296, 84.5777, 106.8466

Trichromacy



Original Color

63.9077, 85.2034, 50.6137



Protanomaly

72.3736, 84.5174, 49.5448



Deuteranomaly

74.6033, 83.9767, 65.7032



Tritanomaly

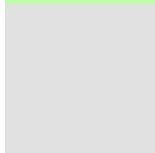
71.8639, 84.4152, 83.0271

Monochromacy



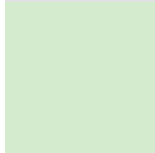
Original Color

63.9077, 85.2034, 50.6137



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 63.9077, 85.2034, 50.6137 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(189, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 63.9077, 85.2034, 50.6137 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(189, 255, 169) }
```


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

```
.border{ border-color:rgb(189, 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(189, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9077, 85.2034, 50.6137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 169) }
```

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

```
.background{ background-color: rgb(189,  
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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