

Converting Colors

XYZ(64.3288, 85.4163, 50.8221)

Have a look what the booklet for
XYZ(64.3288, 85.4163, 50.8221)
contains.

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Color

**XYZ(64.4073, 85.4609,
50.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFA9
RGB	191, 255, 169
RGB Percent	75%, 100%, 66%
CMY	0.2510, 0.0000, 0.3372
CMYK	0.25, 0.00, 0.34, 0.00
HSL	105°, 100%, 83%
HSV	105°, 34%, 100%
XYZ	64.4073, 85.4609, 50.6371
YIQ	226.0600, -10.5380, -40.3140

Conversions

Conversions Part 2

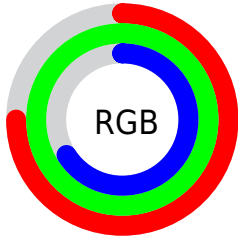
Format	Color
RYB	169, 255, 233
Decimal	12582825
CIELab	94.08, -35.32, 34.84
CIElCh	94, 49.611, 135.386
Yxy	85.4609, 0.3212, 0.4262
Android (android.graphics.Color)	4290772905 (0xFFBFFFA9)
YUV	226.0600, -28.1306, -30.7476
Hunter-Lab	92.4451, -37.4163, 32.2352

Details

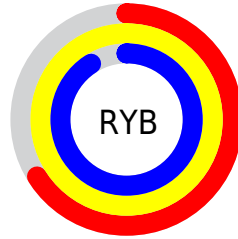
The XYZ color **64.4073, 85.4609, 50.6371** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **65.8433, 52.9208, 101.3522**, and the grayscale version is **72.5343, 76.3117, 83.1034**.

A 20% lighter version of the original color is **88.4175, 97.0960, 85.3155**, and **33.4998, 46.8834, 23.8068** is the 20% darker color. If you saturate the color by 10%, you get **57.7746, 82.2918, 39.0255**, and if you desaturate by 10%, it is **72.1262, 89.1361, 64.7389**.

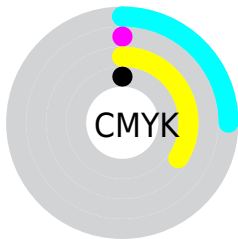
Distribution



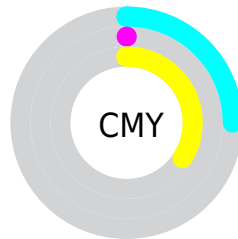
- Red (75%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4073, 85.4609, 50.6371 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 64.4073, 85.4609, 50.6371 by changing the saturation by 10% instead.


 64.4073, 85.4609,
50.6371

 64.4073, 85.4609,
50.6371


430.2379,
513.1519, 405.9584

 47.2436, 64.2223,
35.5452


 110.2678,
141.0169, 92.5241

 33.4370, 46.8307,
23.7962


139.6952,
176.1032, 120.1563

 22.6223, 32.9019,
14.9717

173.9412,
216.5740, 152.8056

 14.4340, 22.0513,
8.6531

213.3712,
262.8139, 190.8906

 8.5068, 13.8946,
4.4219

258.3505,
315.2073, 234.8299

 4.4755, 8.0474,
1.8595

309.2445,

 1.9745, 4.1253,

374.1385, 285.0419

0.4668

366.4185,
439.9919, 341.9452

0.6196, 1.7439,
0.0000

0.0000, 0.4518,
0.0000

64.4073, 85.4609,
50.6371

64.4073, 85.4609,
50.6371

57.7746, 82.2918,
39.0255

72.1262, 89.1361,
64.7389

52.1759, 79.6049,
29.7557

80.9774, 93.3381,
81.4600

47.5565, 77.3756,
22.6693

91.0056, 98.0874,
100.9253

43.8556, 75.5764,
17.5869

95.0500, 100.0000,
108.9000

■ 41.0051, 74.1767,
14.3005

■ 38.9253, 73.1410,
12.5564

■ 37.9552, 72.6517,
12.0227

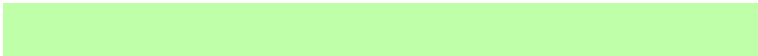
Harmonies

Analogous

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



74.6537, 85.4609, 38.9400



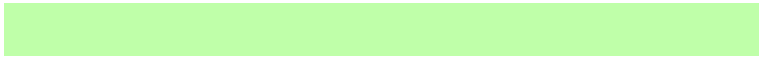
64.4073, 85.4609, 50.6371



58.9839, 85.4609, 75.8298

Triad

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



64.4073, 85.4609, 50.6371



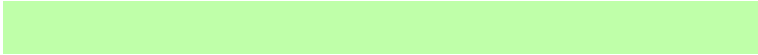
74.9679, 85.4609, 183.0255



108.3530, 85.4609, 75.0035

Complementary

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



64.4073, 85.4609, 50.6371



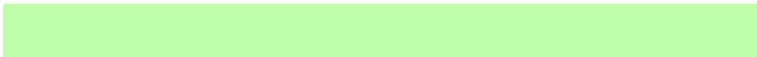
65.8433, 52.9208, 101.3522

Split Complementary

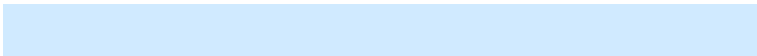
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.4608, 85.4609, 112.7032



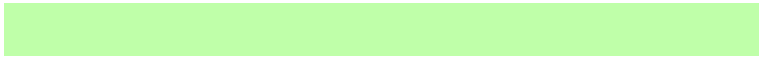
64.4073, 85.4609, 50.6371



88.1774, 85.4609, 182.6259

Square

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



64.4073, 85.4609, 50.6371



64.6157, 85.4609, 155.2606



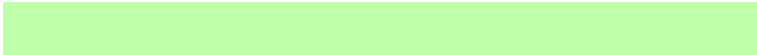
100.7486, 85.4609, 154.2837



100.4684, 85.4609, 50.1747

Rectangle

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



64.4073, 85.4609, 50.6371



58.4108, 85.4609, 100.0715



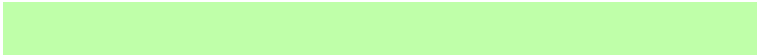
100.7486, 85.4609, 154.2837



109.3262, 85.4609, 86.3694

Sweetspot

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



64.4078, 85.4612, 50.6384



84.5725, 95.0419, 88.3828



77.2773, 81.8758, 49.2681



17.8075, 20.2033, 18.3488



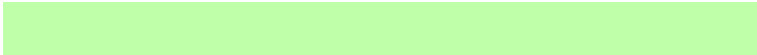
0.0000, 0.0000, 0.0000



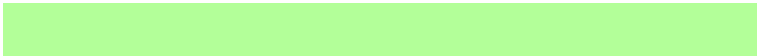
20.3446, 21.4041, 23.3091

Same Dimension

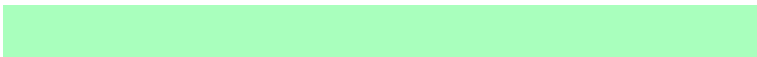
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4078, 85.4612, 50.6384



60.1214, 83.4146, 43.0689



61.3155, 83.6324, 61.0942



18.2070, 20.3926, 19.1209



19.9482, 38.0218, 6.2876



2.0383, 3.7515, 0.6167

Inverse Universe

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



65.8433, 52.9208, 101.3522



61.7250, 46.6454, 100.3579



70.4143, 55.6312, 85.5739



18.3124, 18.0528, 22.7693



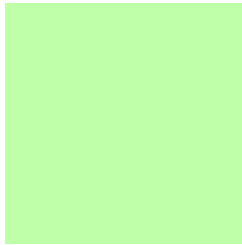
20.6432, 9.5524, 50.1904



2.1111, 0.9822, 4.8916

Previews

White Background



This preview shows how the XYZ color 64.4073, 85.4609, 50.6371 looks on a white background.

Color Contrast Check

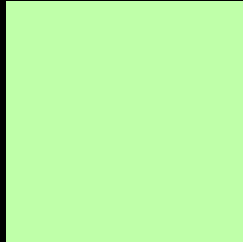
Large Text (above 18pt) WCAG AA × Fail

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 64.4073, 85.4609, 50.6371 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

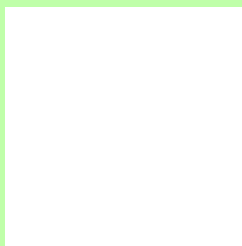
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4073, 85.4609, 50.6371

Background



This preview shows how black text looks on a background with the XYZ color 64.4073, 85.4609, 50.6371.



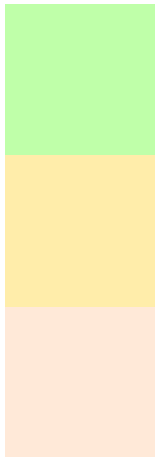
This preview shows how white text looks on a background with the XYZ color 64.4073, 85.4609,

50.6371.

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

64.4073, 85.4609, 50.6371

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

82.7736, 84.4957, 76.9124



Tritanopia

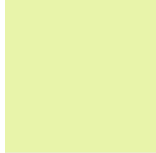
78.1206, 84.8823, 106.8743

Trichromacy



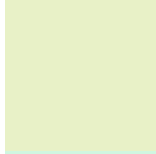
Original Color

64.4073, 85.4609, 50.6371



Protanomaly

72.8851, 84.7595, 50.5490



Deuteranomaly

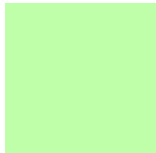
75.0428, 84.1899, 66.3279



Tritanomaly

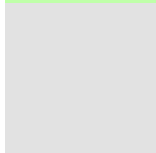
72.4227, 84.7032, 83.0533

Monochromacy



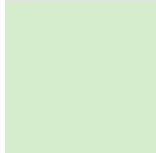
Original Color

64.4073, 85.4609, 50.6371



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.7442, 79.1223, 69.4065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4073, 85.4609, 50.6371 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(191, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 64.4073, 85.4609, 50.6371 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(191, 255, 169) }
```


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

```
.border{ border-color:rgb(191, 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(191, 255, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4073, 85.4609, 50.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 169) }
```

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

```
.background{ background-color: rgb(191,  
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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