

Converting Colors

XYZ(74.9124, 106.2165,
53.9036)

Have a look what the booklet for
XYZ(74.9124, 106.2165, 53.9036)
contains.

XYZ(64.6597, 85.5910, 50.6489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.6597, 85.5910,
50.6489)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFA9
RGB	192, 255, 169
RGB Percent	75%, 100%, 66%
CMY	0.2471, 0.0000, 0.3372
CMYK	0.25, 0.00, 0.34, 0.00
HSL	104°, 100%, 83%
HSV	104°, 34%, 100%
XYZ	64.6597, 85.5910, 50.6489
YIQ	226.3590, -9.9420, -40.1020

Conversions

Conversions Part 2

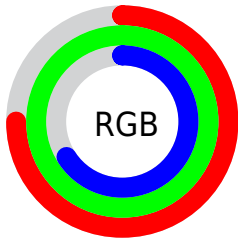
Format	Color
RYB	169, 255, 232
Decimal	12648361
CIELab	94.14, -34.98, 34.93
CIElCh	94, 49.434, 135.046
Yxy	85.5910, 0.3219, 0.4260
Android (android.graphics.Color)	4290838441 (0xFFC0FFA9)
YUV	226.3590, -28.2780, -30.1328
Hunter-Lab	92.5154, -37.1470, 32.3016

Details

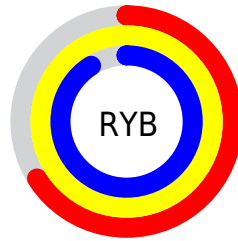
The XYZ color **64.6597, 85.5910, 50.6489** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **65.5176, 52.7529, 101.3369**, and the grayscale version is **72.7518, 76.5405, 83.3526**.

A 20% lighter version of the original color is **88.7749, 97.2802, 85.3322**, and **33.6630, 46.9675, 23.8144** is the 20% darker color. If you saturate the color by 10%, you get **58.0607, 82.4393, 39.0389**, and if you desaturate by 10%, it is **72.3270, 89.2396, 64.7483**.

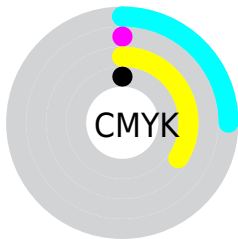
Distribution



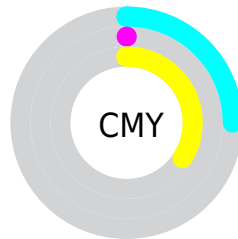
- Red (75%)
- Green (100%)
- Blue (66%)



- 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 64.6597, 85.5910, 50.6489 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 64.6597, 85.5910, 50.6489 by changing the saturation by 10% instead.

 64.6597, 85.5910,
50.6489

 64.6597, 85.5910,
50.6489


431.1326,
513.5816, 406.0057

 47.4489, 64.3298,
35.5545


 110.6289,
141.1986, 92.5418

 33.6001, 46.9179,
23.8033


140.1180,
176.3138, 120.1773

 22.7480, 32.9707,
14.9770


174.4305,
216.8158, 152.8302

 14.5272, 22.1040,
8.6568

213.9319,
263.0890, 190.9192

 8.5724, 13.9334,
4.4242

258.9874,
315.5178, 234.8627

 4.5182, 8.0743,
1.8609

309.9625,

 1.9993, 4.1425,

374.4866, 285.0792

0.4677

367.2224,
440.3797, 341.9874

■ 0.6336, 1.7536,
0.0000

■ 0.0000, 0.4580,
0.0000

■ 64.6597, 85.5910,
50.6489

■ 64.6597, 85.5910,
50.6489

■ 58.0607, 82.4393,
39.0389

■ 72.3270, 89.2396,
64.7483

■ 52.4788, 79.7611,
29.7699

■ 81.1074, 93.4051,
81.4661

■ 47.8606, 77.5324,
22.6835

■ 91.0448, 98.1075,
100.9271

■ 44.1469, 75.7266,
17.6005

95.0500, 100.0000,
108.9000

■ 41.2709, 74.3137,
14.3129

■ 39.1549, 73.2593,
12.5671

■ 38.1575, 72.7560,
12.0322

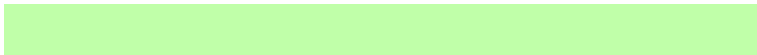
Harmonies

Analogous

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



74.9310, 85.5910, 39.0961



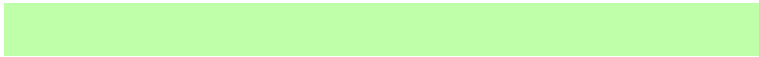
64.6597, 85.5910, 50.6489



59.1859, 85.5910, 75.6467

Triad

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



64.6597, 85.5910, 50.6489



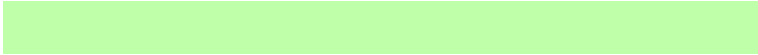
74.9686, 85.5910, 182.6807



108.4448, 85.5910, 75.5477

Complementary

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



64.6597, 85.5910, 50.6489



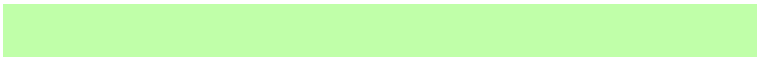
65.5176, 52.7529, 101.3369

Split Complementary

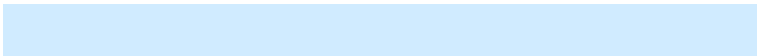
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.4577, 85.5910, 113.2645



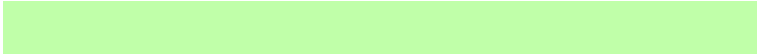
64.6597, 85.5910, 50.6489



88.1291, 85.5910, 182.6330

Square

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



64.6597, 85.5910, 50.6489



64.6847, 85.5910, 154.7728



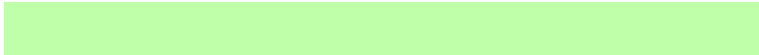
100.6943, 85.5910, 154.6559



100.6608, 85.5910, 50.5934

Rectangle

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



64.6597, 85.5910, 50.6489



58.5716, 85.5910, 99.7439



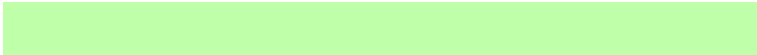
100.6943, 85.5910, 154.6559



109.3835, 85.5910, 86.9374

Sweetspot

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



64.6602, 85.5913, 50.6502



84.6711, 95.0927, 88.3874



76.8753, 81.0719, 49.1341



17.8312, 20.2156, 18.3499



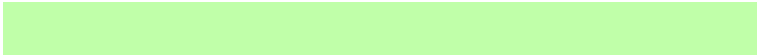
0.0000, 0.0000, 0.0000



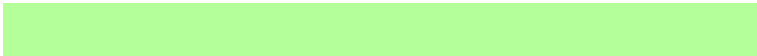
20.3446, 21.4041, 23.3091

Same Dimension

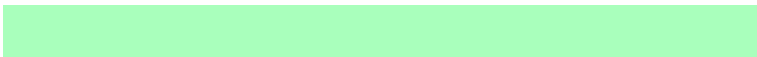
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6602, 85.5913, 50.6502



60.3970, 83.5566, 43.0818



61.1606, 83.5704, 60.2783



18.2272, 20.4030, 19.1218



20.0580, 38.0784, 6.2927



2.0514, 3.7583, 0.6173

Inverse Universe

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



65.5176, 52.7529, 101.3369



61.3480, 46.4510, 100.3403



70.6222, 55.7144, 86.6687



18.2909, 18.0417, 22.7683



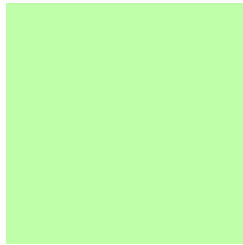
20.2642, 9.3570, 50.1726



2.0769, 0.9646, 4.8900

Previews

White Background



This preview shows how the XYZ color 64.6597, 85.5910, 50.6489 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 64.6597, 85.5910, 50.6489 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

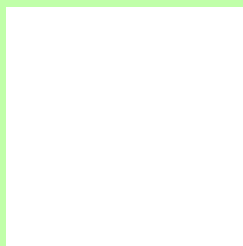
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6597, 85.5910, 50.6489

Background



This preview shows how black text looks on a background with the XYZ color 64.6597, 85.5910, 50.6489.



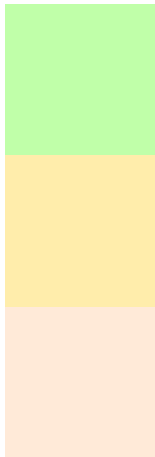
This preview shows how white text looks on a background with the XYZ color 64.6597, 85.5910,

50.6489.

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

64.6597, 85.5910, 50.6489

Protanopia

78.8749, 84.7686, 50.7329

Deuteranopia

83.0575, 85.0635, 77.0070



Tritanopia

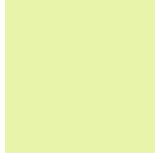
78.1206, 84.8823, 106.8743

Trichromacy



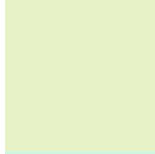
Original Color

64.6597, 85.5910, 50.6489



Protanomaly

72.8851, 84.7595, 50.5490



Deuteranomaly

75.3396, 84.7836, 66.4269



Tritanomaly

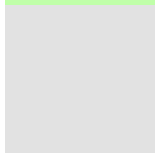
72.4227, 84.7032, 83.0533

Monochromacy



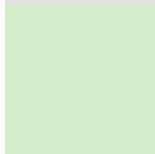
Original Color

64.6597, 85.5910, 50.6489



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.0352, 79.2723, 69.4201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6597, 85.5910, 50.6489 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(192, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 64.6597, 85.5910, 50.6489 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(192, 255, 169) }
```


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

```
.border{ border-color:rgb(192, 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(192, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6597, 85.5910, 50.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 169) }
```

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

```
.background{ background-color: rgb(192,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor