

Converting Colors

XYZ(65.8414, 85.0801, 54.6968)

Have a look what the booklet for
XYZ(65.8414, 85.0801, 54.6968)
contains.

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Color

**XYZ(65.8260, 85.1606,
54.5632)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FDB1
RGB	196, 253, 177
RGB Percent	77%, 99%, 69%
CMY	0.2314, 0.0078, 0.3059
CMYK	0.23, 0.00, 0.30, 0.01
HSL	105°, 95%, 84%
HSV	105°, 30%, 99%
XYZ	65.8260, 85.1606, 54.5632
YIQ	227.2930, -9.5760, -35.7200

Conversions

Conversions Part 2

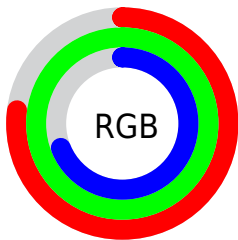
Format	Color
RYB	177, 253, 234
Decimal	12910001
CIELab	93.95, -31.56, 30.71
CIElCh	94, 44.038, 135.776
Yxy	85.1606, 0.3202, 0.4143
Android (android.graphics.Color)	4291100081 (0xFFC4FDB1)
YUV	227.2930, -24.7944, -27.4440
Hunter-Lab	92.2825, -34.1686, 29.5418

Details

The XYZ color **65.8260, 85.1606, 54.5632** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **67.3871, 56.0310, 100.1964**, and the grayscale version is **73.4087, 77.2316, 84.1052**.

A 20% lighter version of the original color is **91.3410, 98.4740, 91.2840**, and **34.3625, 46.5978, 26.2520** is the 20% darker color. If you saturate the color by 10%, you get **58.9072, 81.8612, 42.2740**, and if you desaturate by 10%, it is **73.8411, 88.9762, 69.3476**.

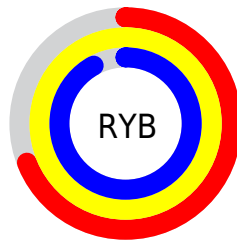
Distribution



Red (77%)

Green (99%)

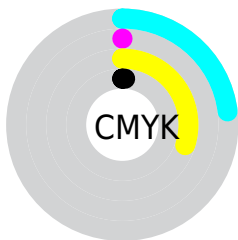
Blue (69%)



Red (69%)

Yellow (99%)

Blue (92%)

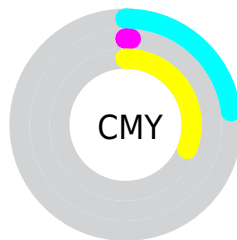


Cyan (23%)

Magenta (0%)

Yellow (30%)

Black (1%)



Cyan (23%)


Magenta (1%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8260, 85.1606, 54.5632 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 65.8260, 85.1606, 54.5632 by changing the saturation by 10% instead.


 65.8260, 85.1606,
54.5632

 65.8260, 85.1606,
54.5632


435.2528,
512.1593, 421.4892

 48.3983, 63.9741,
38.6559


 112.2957,
140.5975, 98.3654

 34.3550, 46.6297,
26.1864


142.0684,
175.6168, 127.0974

 23.3306, 32.7430,
16.7361


176.6869,
216.0157, 160.9413

 14.9599, 21.9296,
9.8865

216.5165,
262.1786, 200.3157

 8.8774, 13.8052,
5.2192

261.9225,
314.4901, 245.6392

 4.7177, 7.9853,
2.3154

313.2703,


 2.1157, 4.0856,


373.3345, 297.3302


0.7399


370.9253,
439.0961, 355.8074


 0.6977, 1.7215,
0.0000


 0.0000, 0.4375,
0.0000


 65.8260, 85.1606,
54.5632


 65.8260, 85.1606,
54.5632


 58.9072, 81.8612,
42.2740


 73.8411, 88.9762,
69.3476


 53.0289, 79.0447,
32.3370

 82.9919, 93.3179,
86.7485

 48.1404, 76.6907,
24.6034

 93.3236, 98.2091,
106.8859

 44.1836, 74.7729,
18.9050

 94.4170, 98.7340,
108.6890

■ 41.0938, 73.2622,
15.0496

■ 38.7968, 72.1253,
12.8078

■ 37.1925, 71.3188,
11.8057

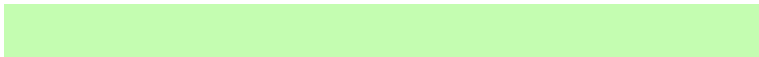
Harmonies

Analogous

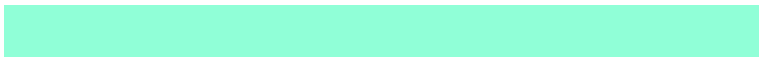
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9618, 85.1606, 43.4053



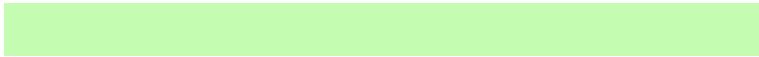
65.8260, 85.1606, 54.5632



60.9818, 85.1606, 77.7366

Triad

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



65.8260, 85.1606, 54.5632



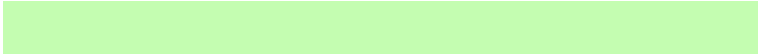
75.5241, 85.1606, 170.5278



104.6556, 85.1606, 76.2429

Complementary

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



65.8260, 85.1606, 54.5632



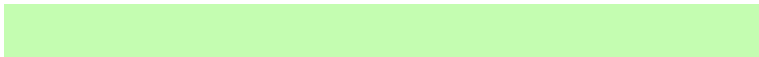
67.3871, 56.0310, 100.1964

Split Complementary

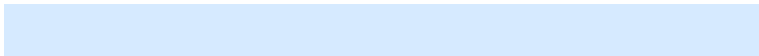
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.8434, 85.1606, 109.5268



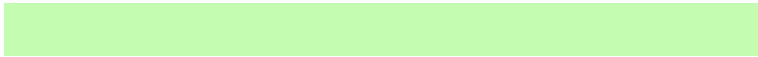
65.8260, 85.1606, 54.5632



87.2334, 85.1606, 169.8486

Square

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



65.8260, 85.1606, 54.5632



66.2033, 85.1606, 147.1699



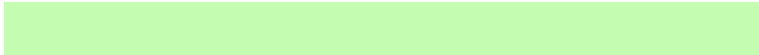
98.2126, 85.1606, 145.4921



97.7217, 85.1606, 53.6986

Rectangle

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



65.8260, 85.1606, 54.5632



60.5051, 85.1606, 99.3820



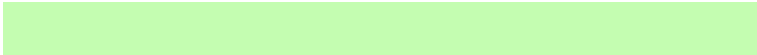
98.2126, 85.1606, 145.4921



105.5307, 85.1606, 86.3729

Sweetspot

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



65.8282, 85.1643, 54.5651



85.5209, 95.4893, 90.3050



77.8702, 82.9064, 53.4946



17.9951, 20.2918, 18.7316



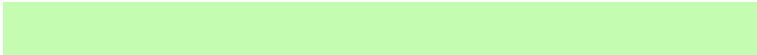
0.0000, 0.0000, 0.0000



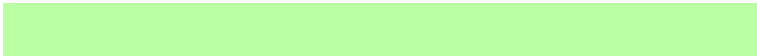
20.3446, 21.4041, 23.3091

Same Dimension

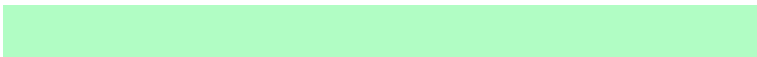
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8282, 85.1643, 54.5651



62.6743, 84.6291, 47.7761



63.2232, 83.5870, 65.0281



18.1969, 20.3874, 19.1204



19.8952, 37.9944, 6.2851



2.0319, 3.7483, 0.6164

Inverse Universe

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



67.3871, 56.0310, 100.1964



64.4786, 50.6501, 100.9858



71.0845, 58.2697, 85.3460



18.3232, 18.0583, 22.7698



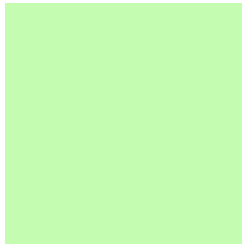
20.8361, 9.6519, 50.1994



2.1285, 0.9912, 4.8924

Previews

White Background



This preview shows how the XYZ color 65.8260, 85.1606, 54.5632 looks on a white background.

Color Contrast Check

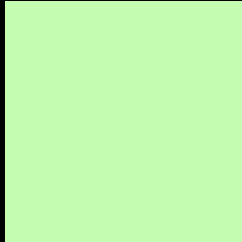
Large Text (above 18pt) WCAG AA × Fail

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 65.8260, 85.1606, 54.5632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

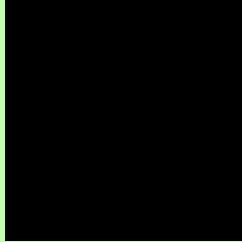
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

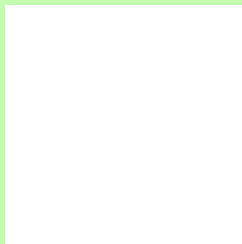
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8260, 85.1606, 54.5632

Background



This preview shows how black text looks on a background with the XYZ color 65.8260, 85.1606, 54.5632.



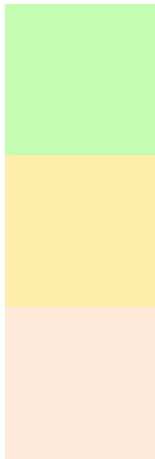
This preview shows how white text looks on a background with the XYZ color 65.8260, 85.1606,

54.5632.

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

65.8260, 85.1606, 54.5632

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

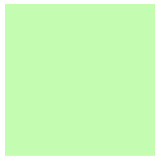
82.7736, 84.4957, 76.9124



Tritanopia

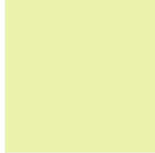
78.4187, 85.0360, 106.8882

Trichromacy



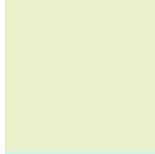
Original Color

65.8260, 85.1606, 54.5632



Protanomaly

73.5251, 84.6107, 51.9915



Deuteranomaly

75.7524, 84.0769, 68.1130



Tritanomaly

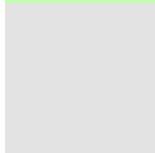
73.0959, 84.5525, 85.1407

Monochromacy



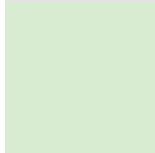
Original Color

65.8260, 85.1606, 54.5632



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.8230, 79.1933, 71.9274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8260, 85.1606, 54.5632 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(196, 253, 177)` looks like.

```
.text, #text, p{  
    color:rgb(196, 253, 177)  
}
```

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(196, 253, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 253, 177) }
```

Border

The CSS property to change the border of an element to XYZ 65.8260, 85.1606, 54.5632 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(196, 253, 177) }
```


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

```
.border{ border-color:rgb(196, 253, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 253, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 253, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 253, 177);  
box-shadow:4px 4px 4px 4px rgb(196, 253,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8260, 85.1606, 54.5632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 253, 177) }
```

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

```
.background{ background-color: rgb(196,  
253, 177) }
```

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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