

Converting Colors

XYZ(64.9177, 85.6443, 54.2639)

Have a look what the booklet for
XYZ(64.9177, 85.6443, 54.2639)
contains.

XYZ(64.8317, 85.6017, 54.1801)	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(64.8317, 85.6017,
54.1801)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFFB0
RGB	190, 255, 176
RGB Percent	75%, 100%, 69%
CMY	0.2549, 0.0000, 0.3098
CMYK	0.25, 0.00, 0.31, 0.00
HSL	109°, 100%, 85%
HSV	109°, 31%, 100%
XYZ	64.8317, 85.6017, 54.1801
YIQ	226.5590, -13.3810, -38.3490

Conversions

Conversions Part 2

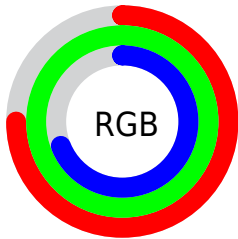
Format	Color
RYB	176, 255, 241
Decimal	12517296
CIELab	94.14, -34.61, 31.41
CIELCh	94, 46.743, 137.774
Yxy	85.6017, 0.3168, 0.4184
Android (android.graphics.Color)	4290707376 (0xFFBEFFB0)
YUV	226.5590, -24.9256, -32.0622
Hunter-Lab	92.5212, -36.8331, 30.0448

Details

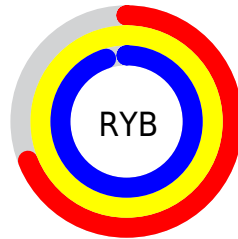
The XYZ color **64.8317, 85.6017, 54.1801** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69.8519, 56.9727, 101.9230**, and the grayscale version is **72.8752, 76.6703, 83.4940**.

A 20% lighter version of the original color is **89.0369, 97.3027, 90.4325**, and **33.7609, 46.9691, 26.0255** is the 20% darker color. If you saturate the color by 10%, you get **57.6720, 82.1754, 41.8886**, and if you desaturate by 10%, it is **73.2208, 89.6070, 69.0055**.

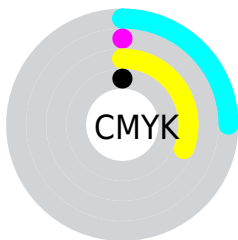
Distribution



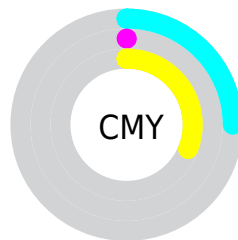
- Red (75%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (95%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8317, 85.6017, 54.1801 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 64.8317, 85.6017, 54.1801 by changing the saturation by 10% instead.


 64.8317, 85.6017,
54.1801

 64.8317, 85.6017,
54.1801


431.7417,
513.6170, 419.9904

 47.5888, 64.3387,
38.3515


 110.8749,
141.2135, 97.7977

 33.7113, 46.9250,
25.9517


140.4060,
176.3311, 126.4238

 22.8337, 32.9764,
16.5620


174.7638,
216.8357, 160.1528

 14.5908, 22.1084,
9.7641

214.3137,
263.1116, 199.4033

 8.6171, 13.9365,
5.1393

259.4211,
315.5433, 244.5937

 4.5474, 8.0765,
2.2690

310.4513,

 2.0162, 4.1440,

374.5152, 296.1427

0.7138

367.7697,
440.4116, 354.4688

■ 0.6431, 1.7544,
0.0000

■ 0.0000, 0.4585,
0.0000

■ 64.8317, 85.6017,
54.1801

■ 64.8317, 85.6017,
54.1801

■ 57.6720, 82.1754,
41.8886

■ 73.2208, 89.6070,
69.0055

■ 51.6816, 79.3002,
31.9855

■ 82.8924, 94.2159,
86.4915

■ 46.7972, 76.9469,
24.3165

■ 93.8985, 99.4525,
106.7608

■ 42.9490, 75.0833,
18.7079

■ 95.0500, 100.0000,
108.9000

■ 40.0588, 73.6733,
14.9600

■ 38.0364, 72.6757,
12.8338

■ 36.8504, 72.0821,
11.9710

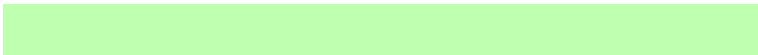
Harmonies

Analogous

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



74.2438, 85.6017, 41.8265



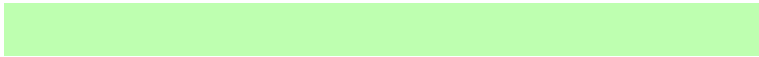
64.8317, 85.6017, 54.1801



60.0620, 85.6017, 79.3772

Triad

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



64.8317, 85.6017, 54.1801



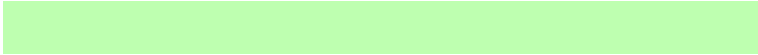
76.3780, 85.6017, 177.9515



106.4599, 85.6017, 73.7342

Complementary

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



64.8317, 85.6017, 54.1801



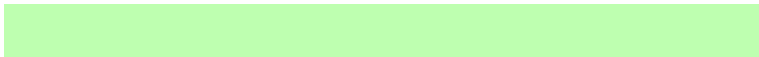
69.8519, 56.9727, 101.9230

Split Complementary

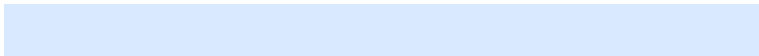
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.1819, 85.6017, 108.5536



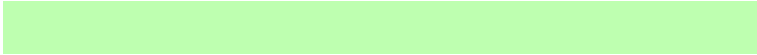
64.8317, 85.6017, 54.1801



88.9209, 85.6017, 175.3107

Square

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



64.8317, 85.6017, 54.1801



66.2559, 85.6017, 154.0268



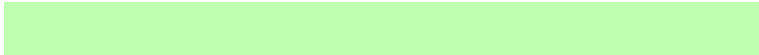
100.4870, 85.6017, 147.5348



98.6052, 85.6017, 50.9644

Rectangle

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



64.8317, 85.6017, 54.1801



59.7977, 85.6017, 102.8295



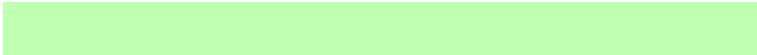
100.4870, 85.6017, 147.5348



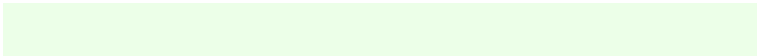
107.5719, 85.6017, 84.2019

Sweetspot

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



64.8322, 85.6020, 54.1814



84.9635, 95.2019, 90.2789



80.3893, 87.0198, 53.6351



17.8587, 20.2215, 18.7252



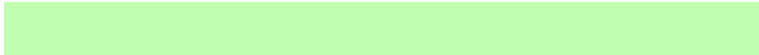
0.0000, 0.0000, 0.0000



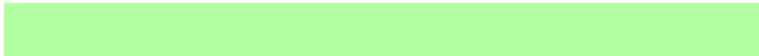
20.3446, 21.4041, 23.3091

Same Dimension

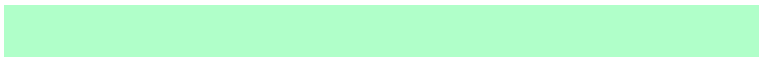
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8322, 85.6020, 54.1814



60.3779, 83.4714, 46.4860



64.2098, 84.9683, 68.2860



18.0716, 20.3228, 19.1146



19.3414, 37.7090, 6.2592



1.9613, 3.7118, 0.6131

Inverse Universe

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



69.8519, 56.9727, 101.9230



66.0881, 50.8134, 100.9325



71.0465, 58.0239, 82.3064



18.4583, 18.1280, 22.7761



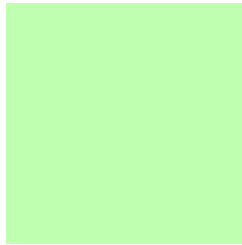
23.4064, 10.9769, 50.3197



2.3579, 1.1095, 4.9031

Previews

White Background



This preview shows how the XYZ color 64.8317, 85.6017, 54.1801 looks on a white background.

Color Contrast Check

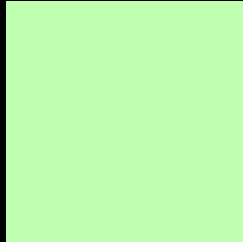
Large Text (above 18pt) WCAG AA × Fail

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 64.8317, 85.6017, 54.1801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

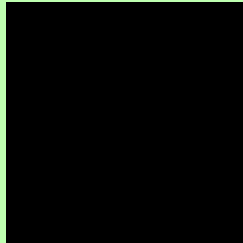
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

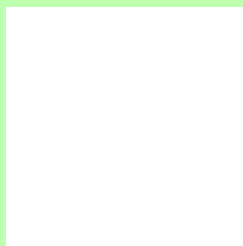
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8317, 85.6017, 54.1801

Background



This preview shows how black text looks on a background with the XYZ color 64.8317, 85.6017, 54.1801.

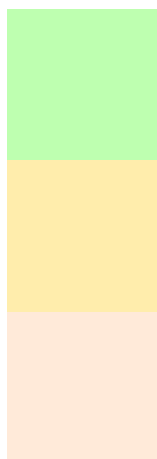


This preview shows how white text looks on a background with the XYZ color 64.8317, 85.6017,

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

64.8317, 85.6017, 54.1801

Protanopia

78.9706, 84.8069, 51.2369

Deuteranopia

83.1872, 85.1154, 77.6901



Tritanopia

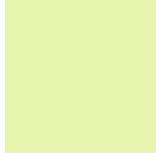
78.1210, 85.3232, 106.9593

Trichromacy



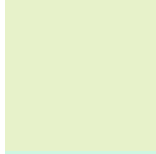
Original Color

64.8317, 85.6017, 54.1801



Protanomaly

72.8485, 84.7074, 52.0458



Deuteranomaly

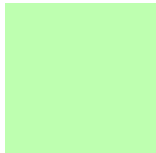
75.3678, 84.7575, 68.2646



Tritanomaly

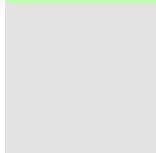
72.7204, 85.2779, 84.5790

Monochromacy



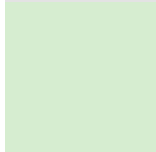
Original Color

64.8317, 85.6017, 54.1801



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.4009, 79.4186, 71.3460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8317, 85.6017, 54.1801 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(190, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 176)  
}
```

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(190, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 64.8317, 85.6017, 54.1801 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(190, 255, 176) }
```


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

```
.border{ border-color:rgb(190, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8317, 85.6017, 54.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 176) }
```

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

```
.background{ background-color: rgb(190,  
255, 176) }
```

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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