

Converting Colors

XYZ(63.4933, 84.8160, 58.4446)

Have a look what the booklet for
XYZ(63.4933, 84.8160, 58.4446)
contains.

XYZ(63.4678, 84.8044, 58.3712)	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(63.4678, 84.8044,
58.3712)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FFB8
RGB	181, 255, 184
RGB Percent	71%, 100%, 72%
CMY	0.2902, 0.0000, 0.2784
CMYK	0.29, 0.00, 0.28, 0.00
HSL	122°, 100%, 85%
HSV	122°, 29%, 100%
XYZ	63.4678, 84.8044, 58.3712
YIQ	224.7800, -21.3130, -37.7690

Conversions

Conversions Part 2

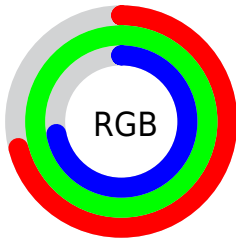
Format	Color
RYB	181, 252, 255
Decimal	11927480
CIELab	93.80, -36.24, 26.84
CIElCh	94, 45.098, 143.481
Yxy	84.8044, 0.3071, 0.4104
Android (android.graphics.Color)	4290117560 (0xFFB5FFB8)
YUV	224.7800, -20.1045, -38.3951
Hunter-Lab	92.0893, -38.1344, 26.8813

Details

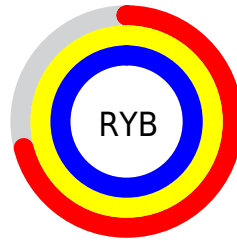
The XYZ color **63.4678, 84.8044, 58.3712** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **75.3347, 61.3366, 99.9633**, and the grayscale version is **71.5605, 75.2872, 81.9878**.

A 20% lighter version of the original color is **86.7481, 95.9884, 96.3936**, and **32.8950, 46.4625, 28.7071** is the 20% darker color. If you saturate the color by 10%, you get **55.6787, 81.0602, 45.7571**, and if you desaturate by 10%, it is **72.7959, 89.2909, 73.3751**.

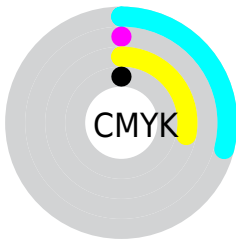
Distribution



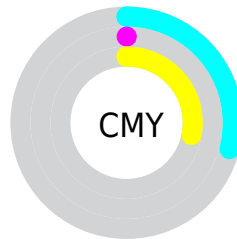
- Red (71%)
- Green (100%)
- Blue (72%)



- Red (71%)
- Yellow (99%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4678, 84.8044, 58.3712 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 63.4678, 84.8044, 58.3712 by changing the saturation by 10% instead.


 63.4678, 84.8044,
58.3712

 63.4678, 84.8044,
58.3712


426.8980,
510.9806, 436.2045

 46.4798, 63.6798,
41.6905


 108.9222,
140.0999, 103.9833

 32.8308, 46.3914,
28.5352


138.1192,
175.0395, 133.7518

 22.1555, 32.5548,
18.4870

172.1167,
215.3529, 168.7199

 14.0885, 21.7856,
11.1271

211.2800,
261.4245, 209.3063

 8.2643, 13.6994,
6.0372

255.9744,
313.6387, 255.9294

 4.3178, 7.9119,
2.7985

306.5653,

 1.8834, 4.0386,

372.3798, 309.0078

0.9927

363.4181,
438.0323, 368.9599

■ 0.5672, 1.6952,
0.0000

■ 0.0000, 0.4205,
0.0000

■ 63.4678, 84.8044,
58.3712

■ 63.4678, 84.8044,
58.3712

■ 55.6787, 81.0602,
45.7571

■ 72.7959, 89.2909,
73.3751

■ 49.3443, 78.0172,
35.4059

■ 83.7378, 94.5555,
90.8791

■ 44.3748, 75.6322,
27.1848

95.0500, 100.0000,
108.9000

■ 40.6699, 73.8565,
20.9457

■ 38.1153, 72.6348,
16.5216

■ 36.5761, 71.9018,
13.7180

■ 35.8623, 71.5645,
12.2953

■ 35.8167, 71.5427,
12.2184

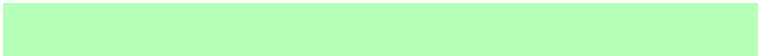
Harmonies

Analogous

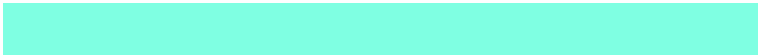
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7671, 84.8044, 44.0727



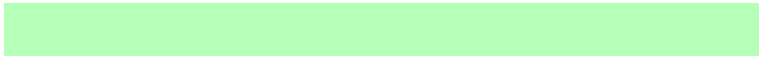
63.4678, 84.8044, 58.3712



59.8098, 84.8044, 85.0465

Triad

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



63.4678, 84.8044, 58.3712



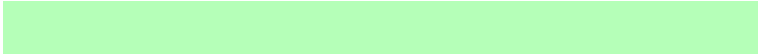
78.0163, 84.8044, 174.6446



103.6391, 84.8044, 68.4603

Complementary

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



63.4678, 84.8044, 58.3712



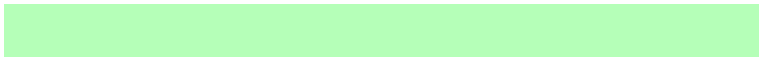
75.3347, 61.3366, 99.9633

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.



105.7331, 84.8044, 100.0339



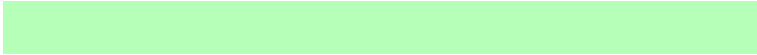
63.4678, 84.8044, 58.3712



90.1382, 84.8044, 167.0522

Square

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



63.4678, 84.8044, 58.3712



67.6548, 84.8044, 156.1738



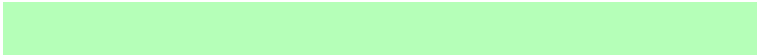
100.5766, 84.8044, 137.4382



95.1084, 84.8044, 48.8085

Rectangle

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



63.4678, 84.8044, 58.3712



60.2089, 84.8044, 108.5922



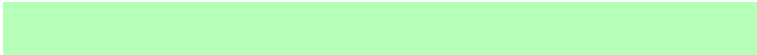
100.5766, 84.8044, 137.4382



105.1519, 84.8044, 77.7918

Sweetspot

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



63.4684, 84.8047, 58.3725



83.7602, 94.5663, 90.9148



84.4390, 95.6514, 57.7290



17.5652, 20.0664, 18.8801



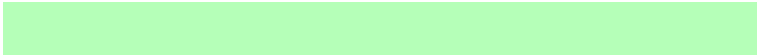
0.0000, 0.0000, 0.0000



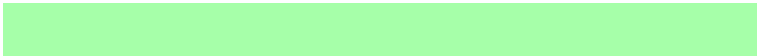
20.3446, 21.4041, 23.3091

Same Dimension

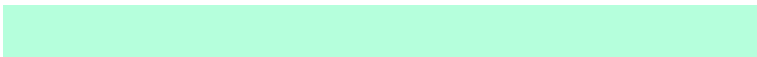
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4684, 84.8047, 58.3725



58.6297, 82.4785, 50.5480



67.7967, 86.5360, 81.1650



17.8014, 20.1801, 19.2573



18.7279, 37.3877, 6.4522



1.8335, 3.6443, 0.6810

Inverse Universe

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



75.3347, 61.3366, 99.9633



72.3035, 55.4307, 98.4700



70.0987, 59.2422, 72.3907



18.7590, 18.2869, 22.6139



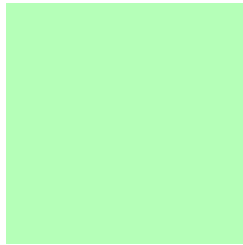
30.1476, 14.5483, 46.2890



2.9449, 1.4203, 4.5571

Previews

White Background



This preview shows how the XYZ color 63.4678, 84.8044, 58.3712 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 63.4678, 84.8044, 58.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

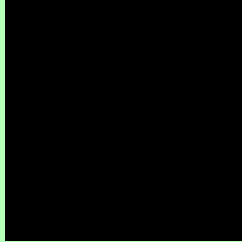
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

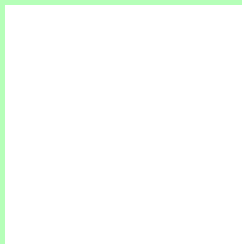
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4678, 84.8044, 58.3712

Background



This preview shows how black text looks on a background with the XYZ color 63.4678, 84.8044, 58.3712.



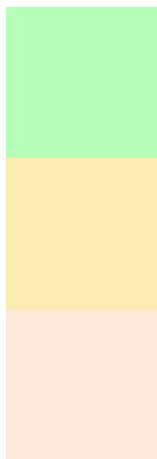
This preview shows how white text looks on a background with the XYZ color 63.4678, 84.8044,

58.3712.

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

63.4678, 84.8044, 58.3712

Protanopia

78.2413, 83.9687, 52.6413

Deuteranopia

82.4913, 83.9311, 76.8183



Tritanopia

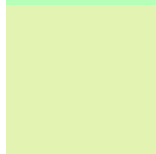
76.6661, 84.5731, 106.8913

Trichromacy



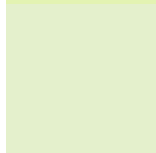
Original Color

63.4678, 84.8044, 58.3712



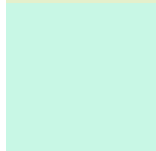
Protanomaly

71.7650, 83.6464, 54.4824



Deuteranomaly

74.0541, 83.1738, 69.2778



Tritanomaly

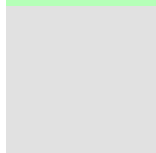
71.2230, 84.4580, 86.6769

Monochromacy



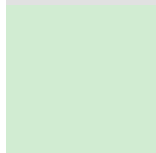
Original Color

63.4678, 84.8044, 58.3712



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9228, 78.1994, 72.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4678, 84.8044, 58.3712 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(181, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 184)  
}
```

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(181, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 63.4678, 84.8044, 58.3712 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(181, 255, 184) }
```


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

```
.border{ border-color:rgb(181, 255, 184) }
```

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

Here you see how a box with a 4 pixel rgb(181, 255, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4678, 84.8044, 58.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 184) }
```

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

```
.background{ background-color: rgb(181,  
255, 184) }
```

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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