

Converting Colors

XYZ(63.0644, 84.7794, 50.0879)

Have a look what the booklet for
XYZ(63.0644, 84.7794, 50.0879)
contains.

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Color

**XYZ(63.0776, 84.7863,
50.0866)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFA8
RGB	186, 255, 168
RGB Percent	73%, 100%, 66%
CMY	0.2706, 0.0000, 0.3412
CMYK	0.27, 0.00, 0.34, 0.00
HSL	108°, 100%, 83%
HSV	108°, 34%, 100%
XYZ	63.0776, 84.7863, 50.0866
YIQ	224.4510, -13.1970, -41.6850

Conversions

Conversions Part 2

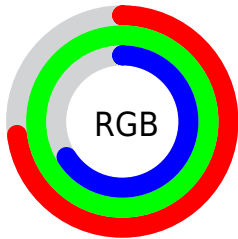
Format	Color
RYB	168, 255, 237
Decimal	12255144
CIELab	93.79, -37.11, 34.91
CIElCh	94, 50.944, 136.751
Yxy	84.7863, 0.3187, 0.4283
Android (android.graphics.Color)	4290445224 (0xFFBAFFA8)
YUV	224.4510, -27.8303, -33.7215
Hunter-Lab	92.0795, -38.8605, 32.2049

Details

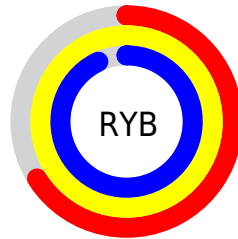
The XYZ color **63.0776, 84.7863, 50.0866** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.9787, 53.2310, 101.3522**, and the grayscale version is **71.3737, 75.0907, 81.7737**.

A 20% lighter version of the original color is **86.5228, 96.1349, 84.5167**, and **32.6487, 46.4513, 23.4649** is the 20% darker color. If you saturate the color by 10%, you get **56.3594, 81.5710, 38.5638**, and if you desaturate by 10%, it is **70.9580, 88.5468, 64.0979**.

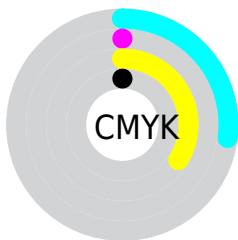
Distribution



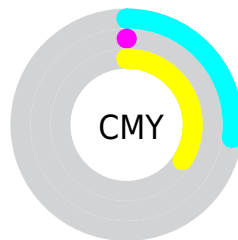
- Red (73%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (93%)



- Cyan (27%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0776, 84.7863, 50.0866 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 63.0776, 84.7863, 50.0866 by changing the saturation by 10% instead.


 63.0776, 84.7863,
50.0866


 63.0776, 84.7863,
50.0866


425.5062,
510.9207, 403.7493


 46.1629, 63.6648,
35.1105


 108.3626,
140.0746, 91.7008


 32.5795, 46.3793,
23.4638


 137.4637,
175.0101, 119.1760


 21.9622, 32.5452,
14.7278


 171.3575,
215.3192, 151.6547

 13.9456, 21.7783,
8.4841

 210.4095,
261.3862, 189.5555

 8.1643, 13.6941,
4.3141

 254.9850,
313.5954, 233.2967

 4.2529, 7.9082,
1.7992

 305.4494,

 1.8462, 4.0363,

372.3313, 283.2971

0.4274

362.1680,
437.9783, 339.9751

■ 0.5453, 1.6939,
0.0000

■ 0.0000, 0.4197,
0.0000

■ 63.0776, 84.7863,
50.0866

■ 63.0776, 84.7863,
50.0866

■ 56.3594, 81.5710,
38.5638

■ 70.9580, 88.5468,
64.0979

■ 50.7456, 78.8744,
29.3801

■ 80.0518, 92.8762,
80.7273

■ 46.1754, 76.6687,
22.3764

■ 90.4086, 97.7972,
100.1003

■ 42.5812, 74.9229,
17.3719

95.0500, 100.0000,
108.9000

■ 39.8869, 73.6023,
14.1570

■ 38.0034, 72.6665,
12.4751

■ 37.2154, 72.2703,
11.9881

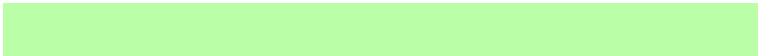
Harmonies

Analogous

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



73.3161, 84.7863, 37.7582



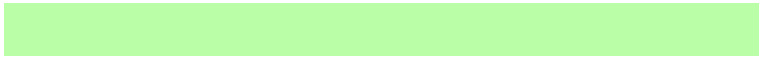
63.0776, 84.7863, 50.0866



57.8156, 84.7863, 76.2677

Triad

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



63.0776, 84.7863, 50.0866



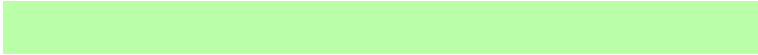
74.7682, 84.7863, 185.5357



108.1655, 84.7863, 72.4586

Complementary

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



63.0776, 84.7863, 50.0866



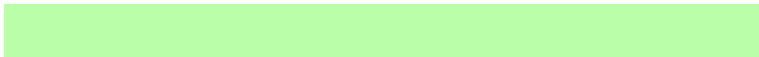
66.9787, 53.2310, 101.3522

Split Complementary

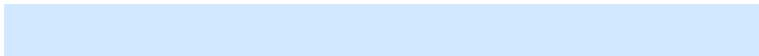
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.6672, 84.7863, 110.4752



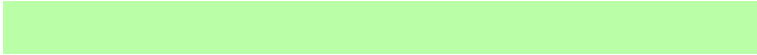
63.0776, 84.7863, 50.0866



88.3231, 84.7863, 183.6642

Square

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



63.0776, 84.7863, 50.0866



64.0378, 84.7863, 157.9468



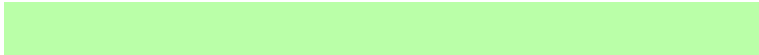
101.0689, 84.7863, 153.3833



99.7664, 84.7863, 47.9741

Rectangle

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



63.0776, 84.7863, 50.0866



57.4060, 84.7863, 101.3604



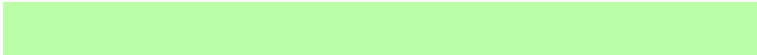
101.0689, 84.7863, 153.3833



109.2936, 84.7863, 83.8298

Sweetspot

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



63.0780, 84.7865, 50.0879



84.1597, 94.8291, 88.3635



78.3469, 84.1649, 49.1631



17.7083, 20.1522, 18.3441



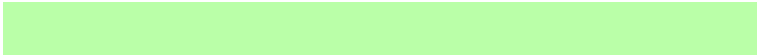
0.0000, 0.0000, 0.0000



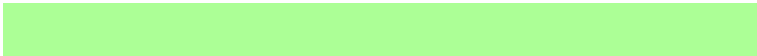
20.3446, 21.4041, 23.3091

Same Dimension

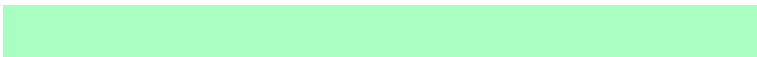
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0780, 84.7865, 50.0879



58.3321, 82.5162, 41.8973



61.4958, 83.6798, 63.1593



18.1226, 20.3491, 19.1169



19.5437, 37.8132, 6.2686



1.9881, 3.7257, 0.6143

Inverse Universe

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



66.9787, 53.2310, 101.3522



62.7536, 46.5626, 100.2878



69.5753, 54.9991, 82.0703



18.4031, 18.0995, 22.7736



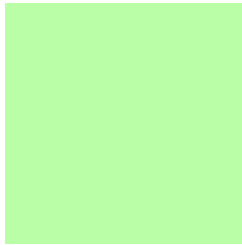
22.3213, 10.4175, 50.2689



2.2615, 1.0598, 4.8986

Previews

White Background



This preview shows how the XYZ color 63.0776, 84.7863, 50.0866 looks on a white background.

Color Contrast Check

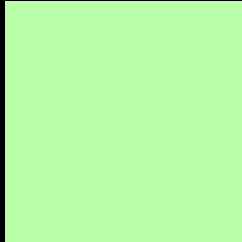
Large Text (above 18pt) WCAG AA × Fail

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 63.0776, 84.7863, 50.0866 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

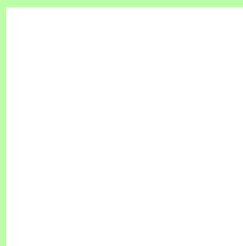
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0776, 84.7863, 50.0866

Background



This preview shows how black text looks on a background with the XYZ color 63.0776, 84.7863, 50.0866.

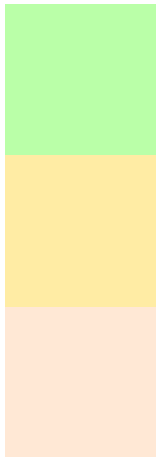


This preview shows how white text looks on a background with the XYZ color 63.0776, 84.7863,

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

63.0776, 84.7863, 50.0866

Protanopia

77.9363, 83.9312, 47.2146

Deuteranopia

82.1069, 83.7773, 74.7939



Tritanopia

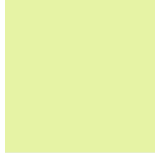
76.9459, 84.2767, 106.8193

Trichromacy



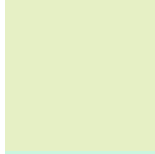
Original Color

63.0776, 84.7863, 50.0866



Protanomaly

71.4753, 83.6408, 47.9745



Deuteranomaly

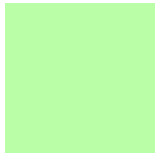
73.8713, 83.1744, 64.9842



Tritanomaly

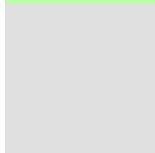
70.9037, 83.9358, 82.2762

Monochromacy



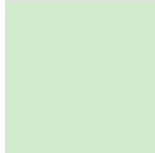
Original Color

63.0776, 84.7863, 50.0866



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1858, 77.4779, 68.5404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0776, 84.7863, 50.0866 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(186, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 168)  
}
```

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(186, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 63.0776, 84.7863, 50.0866 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(186, 255, 168) }
```


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

```
.border{ border-color:rgb(186, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0776, 84.7863, 50.0866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 168) }
```

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

```
.background{ background-color: rgb(186,  
255, 168) }
```

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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