

Converting Colors

XYZ(64.2404, 83.3160, 58.5947)

Have a look what the booklet for
XYZ(64.2404, 83.3160, 58.5947)
contains.

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Color

**XYZ(64.2404, 83.3160,
58.5947)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFBB9
RGB	189, 251, 185
RGB Percent	74%, 98%, 73%
CMY	0.2588, 0.0157, 0.2745
CMYK	0.25, 0.00, 0.26, 0.02
HSL	116°, 89%, 85%
HSV	116°, 26%, 98%
XYZ	64.2404, 83.3160, 58.5947
YIQ	224.9380, -15.7660, -33.6700

Conversions

Conversions Part 2

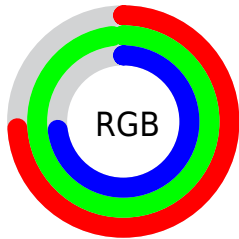
Format	Color
RYB	185, 251, 247
Decimal	12450745
CIELab	93.15, -31.69, 25.52
CIELCh	93, 40.687, 141.162
Yxy	83.3160, 0.3116, 0.4042
Android (android.graphics.Color)	4290640825 (0xFFBDFBB9)
YUV	224.9380, -19.6894, -31.5176
Hunter-Lab	91.2776, -34.1090, 25.8337

Details

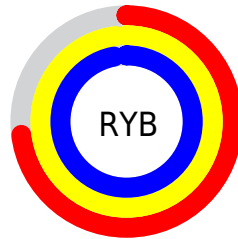
The XYZ color **64.2404, 83.3160, 58.5947** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1230, 61.4396, 99.2762**, and the grayscale version is **71.6705, 75.4029, 82.1138**.

A 20% lighter version of the original color is **89.6432, 97.4637, 97.3068**, and **33.2882, 45.3178, 28.8225** is the 20% darker color. If you saturate the color by 10%, you get **56.4402, 79.5769, 45.5978**, and if you desaturate by 10%, it is **73.4637, 87.7395, 74.1034**.

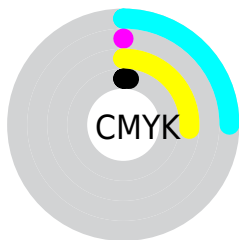
Distribution



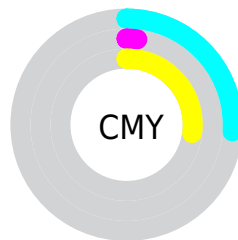
- Red (74%)
- Green (98%)
- Blue (73%)



- Red (73%)
- Yellow (98%)
- Blue (97%)



- Cyan (25%)
- Magenta (0%)
- Yellow (26%)
- Black (2%)



- Cyan (26%)
- Magenta (2%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2404, 83.3160, 58.5947 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 64.2404, 83.3160, 58.5947 by changing the saturation by 10% instead.

64.2404, 83.3160,
58.5947

64.2404, 83.3160,
58.5947

429.6457,
506.0391, 437.0583

47.1078, 62.4509,
41.8691

110.0289,
138.0180, 104.3117

33.3292, 45.3971,
28.6740

139.4155,
172.6236, 134.1401

22.5392, 31.7703,
18.5909

173.6175,
212.5781, 169.1733

14.3724, 21.1861,
11.2012

213.0002,
258.2661, 209.8297

8.4636, 13.2601,
6.0865

257.9291,
310.0717, 256.5278

4.4473, 7.6079,
2.8281

308.7694,

1.9582, 3.8451,

368.3795, 309.6863

1.0075

365.8865,
433.5738, 369.7236

■ 0.6103, 1.5873,
0.0000

■ 0.0000, 0.3490,
0.0000

■ 64.2404, 83.3160,
58.5947

■ 64.2404, 83.3160,
58.5947

■ 56.4402, 79.5769,
45.5978

■ 73.4637, 87.7395,
74.1034

■ 49.9862, 76.4781,
34.9756

■ 84.1691, 92.8680,
92.2405

■ 44.8038, 73.9869,
26.5860

■ 93.7889, 97.4777,
108.4796

■ 40.8090, 72.0631,
20.2700

■ 37.9073, 70.6621,
15.8472

■ 35.9899, 69.7323,
13.1066

■ 34.9251, 69.2116,
11.7854

■ 34.6992, 69.1010,
11.5090

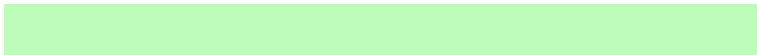
Harmonies

Analogous

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



72.0018, 83.3160, 46.1657



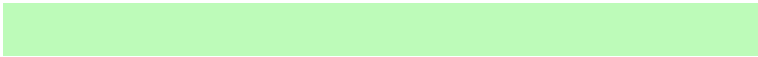
64.2404, 83.3160, 58.5947



60.5739, 83.3160, 81.9737

Triad

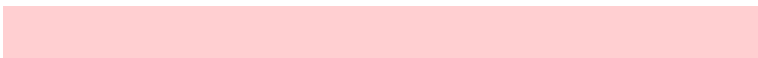
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2404, 83.3160, 58.5947



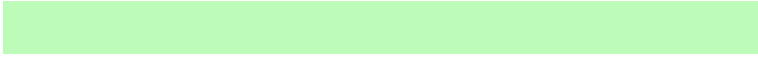
76.0745, 83.3160, 162.1619



99.9353, 83.3160, 71.0907

Complementary

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



64.2404, 83.3160, 58.5947



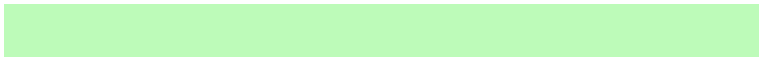
73.1230, 61.4396, 99.2762

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.



101.2743, 83.3160, 100.0608



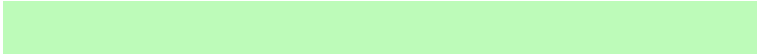
64.2404, 83.3160, 58.5947



86.8400, 83.3160, 157.3942

Square

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



64.2404, 83.3160, 58.5947



66.9914, 83.3160, 144.6987



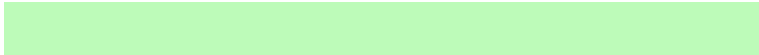
96.2942, 83.3160, 132.8450



92.7848, 83.3160, 52.1711

Rectangle

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



64.2404, 83.3160, 58.5947



60.6950, 83.3160, 102.5903



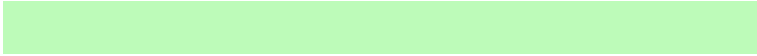
96.2942, 83.3160, 132.8450



101.1040, 83.3160, 79.7970

Sweetspot

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



64.2426, 83.3195, 58.5965



85.2353, 95.2999, 92.1969



81.6829, 90.2934, 59.0234



17.8734, 20.2206, 19.1053



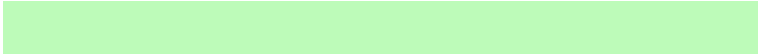
0.0000, 0.0000, 0.0000



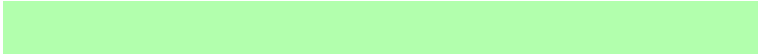
20.3446, 21.4041, 23.3091

Same Dimension

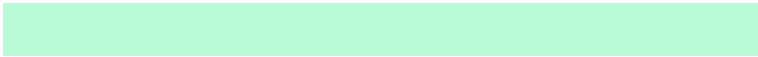
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2426, 83.3195, 58.5965



61.7807, 84.0583, 52.7071



66.5940, 84.1471, 76.0854



17.1147, 19.3594, 18.2971



18.2769, 36.3404, 6.0511



1.7259, 3.3828, 0.5620

Inverse Universe

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



73.1230, 61.4396, 99.2762



72.5149, 57.5952, 101.9028



70.3741, 60.5047, 77.3610



17.8831, 17.4679, 21.8144



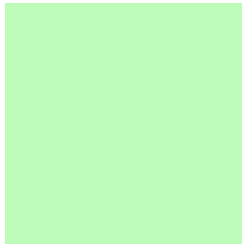
27.3453, 13.0397, 49.0492



2.5632, 1.2235, 4.5442

Previews

White Background



This preview shows how the XYZ color 64.2404, 83.3160, 58.5947 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 64.2404, 83.3160, 58.5947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

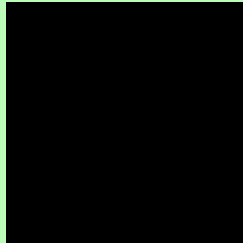
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

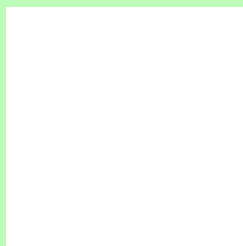
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2404, 83.3160, 58.5947

Background



This preview shows how black text looks on a background with the XYZ color 64.2404, 83.3160, 58.5947.

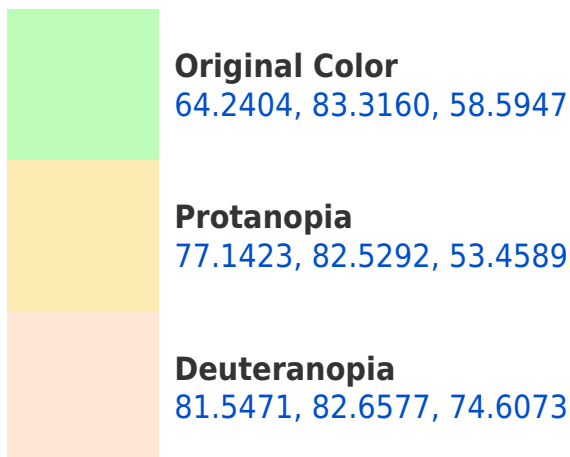


This preview shows how white text looks on a background with the XYZ color 64.2404, 83.3160,

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





Tritanopia

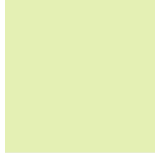
75.7884, 83.2418, 106.6805

Trichromacy



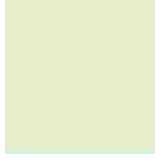
Original Color

64.2404, 83.3160, 58.5947



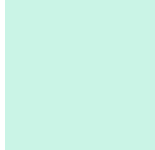
Protanomaly

71.3932, 82.1094, 55.2659



Deuteranomaly

74.3090, 82.4498, 68.4978



Tritanomaly

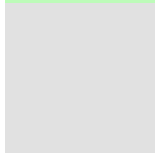
70.9907, 82.9711, 87.1363

Monochromacy



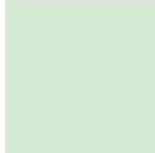
Original Color

64.2404, 83.3160, 58.5947



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.2071, 77.4958, 72.3361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2404, 83.3160, 58.5947 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(189, 251, 185)` looks like.

```
.text, #text, p{  
    color:rgb(189, 251, 185)  
}
```

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(189, 251, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 251, 185) }
```

Border

The CSS property to change the border of an element to XYZ 64.2404, 83.3160, 58.5947 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(189, 251, 185) }
```


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

```
.border{ border-color:rgb(189, 251, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 251, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 251, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 251, 185);  
box-shadow:4px 4px 4px 4px rgb(189, 251,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2404, 83.3160, 58.5947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 251, 185) }
```

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

```
.background{ background-color: rgb(189,  
251, 185) }
```

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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