

Converting Colors

XYZ(64.8356, 81.7999, 57.7215)

Have a look what the booklet for
XYZ(64.8356, 81.7999, 57.7215)
contains.

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Color

**XYZ(64.9385, 81.8525,
57.7239)**

Conversions

Conversions Part 1

Format	Color
Hex	C5F7B8
RGB	197, 247, 184
RGB Percent	77%, 97%, 72%
CMY	0.2274, 0.0314, 0.2784
CMYK	0.20, 0.00, 0.26, 0.03
HSL	108°, 80%, 85%
HSV	108°, 26%, 97%
XYZ	64.9385, 81.8525, 57.7239
YIQ	224.8680, -9.5770, -30.1930

Conversions

Conversions Part 2

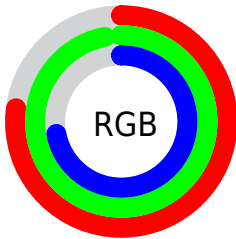
Format	Color
RYB	184, 247, 234
Decimal	12974008
CIELab	92.51, -27.34, 25.22
CIELCh	93, 37.192, 137.310
Yxy	81.8525, 0.3175, 0.4002
Android (android.graphics.Color)	4291164088 (0xFFC5F7B8)
YUV	224.8680, -20.1479, -24.4402
Hunter-Lab	90.4724, -30.2044, 25.5020

Details

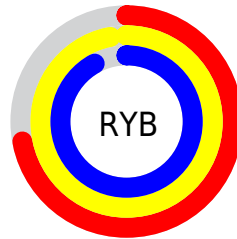
The XYZ color **64.9385, 81.8525, 57.7239** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8640, 58.4911, 95.7130**, and the grayscale version is **71.6202, 75.3500, 82.0561**.

A 20% lighter version of the original color is **92.3612, 98.8821, 96.6563**, and **33.6655, 44.2164, 28.2330** is the 20% darker color. If you saturate the color by 10%, you get **57.7687, 78.4322, 45.0325**, and if you desaturate by 10%, it is **73.2324, 85.8048, 72.8311**.

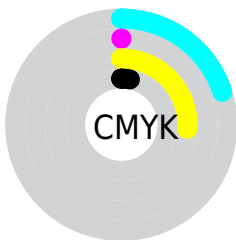
Distribution



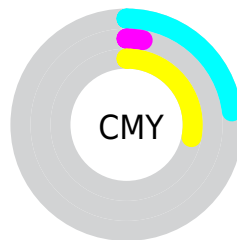
- Red (77%)
- Green (97%)
- Blue (72%)



- Red (72%)
- Yellow (97%)
- Blue (92%)



- Cyan (20%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)



- Cyan (23%)
- Magenta (3%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9385, 81.8525, 57.7239 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 64.9385, 81.8525, 57.7239 by changing the saturation by 10% instead.

64.9385, 81.8525,
57.7239

64.9385, 81.8525,
57.7239

432.1196,
501.1542, 433.7258

47.6757, 61.2440,
41.1735

111.0276,
135.9671, 103.0315

33.7803, 44.4221,
28.1339

140.5847,
170.2420, 132.6257

22.8870, 31.0025,
18.1867

174.9706,
209.8412, 167.4050

14.6303, 20.6007,
10.9133

214.5506,
255.1489, 207.7879

8.6450, 12.8325,
5.8951

259.6902,
306.5497, 254.1929

4.5656, 7.3133,
2.7137

310.7547,

2.0268, 3.6588,

364.4279, 307.0385

0.9503

368.1094,
429.1679, 366.7433

■ 0.6490, 1.4846,
0.0000

■ 0.0000, 0.2778,
0.0000

■ 64.9385, 81.8525,
57.7239

■ 64.9385, 81.8525,
57.7239

■ 57.7687, 78.4322,
45.0325

■ 73.2324, 85.8048,
72.8311

■ 51.6674, 75.5109,
34.6266

■ 82.6898, 90.2998,
90.4646

■ 46.5839, 73.0677,
26.3718

■ 92.5524, 95.0047,
108.0675

■ 42.4609, 71.0764,
20.1173

■ 39.2347, 69.5078,
15.6930

■ 36.8336, 68.3293,
12.9006

■ 35.1731, 67.5027,
11.4951

■ 34.6258, 67.2276,
11.1513

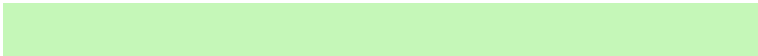
Harmonies

Analogous

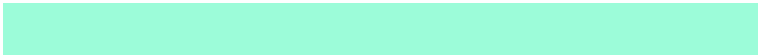
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4058, 81.8525, 47.4002



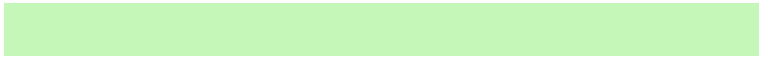
64.9385, 81.8525, 57.7239



61.0607, 81.8525, 77.9496

Triad

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



64.9385, 81.8525, 57.7239



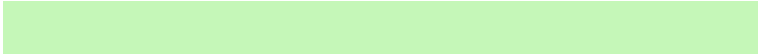
73.7921, 81.8525, 151.6841



96.8962, 81.8525, 74.2255

Complementary

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



64.9385, 81.8525, 57.7239



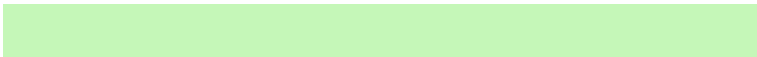
67.8640, 58.4911, 95.7130

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.



97.3452, 81.8525, 101.3172



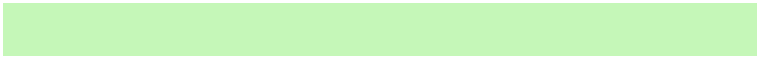
64.9385, 81.8525, 57.7239



83.4522, 81.8525, 150.1089

Square

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



64.9385, 81.8525, 57.7239



65.8808, 81.8525, 134.1790



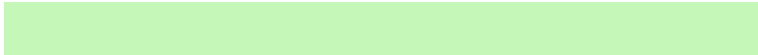
92.2529, 81.8525, 130.2385



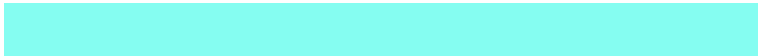
91.0728, 81.8525, 55.4855

Rectangle

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



64.9385, 81.8525, 57.7239



60.8037, 81.8525, 96.0589



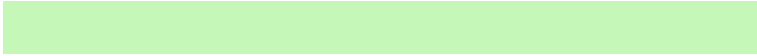
92.2529, 81.8525, 130.2385



97.6969, 81.8525, 82.5302

Sweetspot

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



64.9406, 81.8560, 57.7257



86.2298, 95.8126, 92.2435



76.2510, 81.7147, 57.1023



18.1216, 20.3486, 19.1169



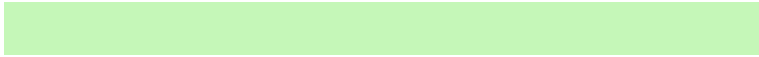
0.0000, 0.0000, 0.0000



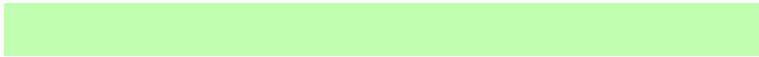
20.3446, 21.4041, 23.3091

Same Dimension

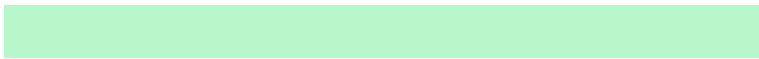
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9406, 81.8560, 57.7257



65.3957, 85.8931, 54.1807



63.6733, 80.9727, 68.0593



16.6016, 18.6367, 17.5198



18.4050, 35.6009, 5.9016



1.6991, 3.1710, 0.5225

Inverse Universe

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



67.8640, 58.4911, 95.7130



69.0575, 56.5479, 101.8828



69.6650, 59.7228, 82.0977



16.8592, 16.5856, 20.8553



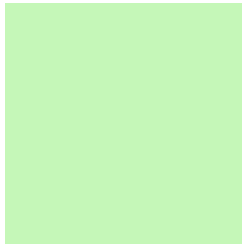
21.0451, 9.8235, 47.3249



1.9320, 0.9058, 4.1633

Previews

White Background



This preview shows how the XYZ color 64.9385, 81.8525, 57.7239 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 64.9385, 81.8525, 57.7239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

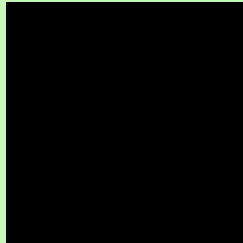
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9385, 81.8525, 57.7239

Background



This preview shows how black text looks on a background with the XYZ color 64.9385, 81.8525, 57.7239.



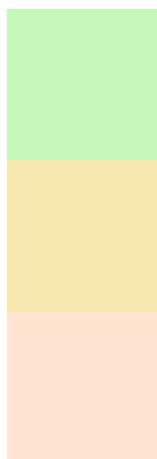
This preview shows how white text looks on a background with the XYZ color 64.9385, 81.8525,

57.7239.

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

64.9385, 81.8525, 57.7239

Protanopia

76.1416, 81.5919, 53.3307

Deuteranopia

80.4920, 81.3503, 71.7814



Tritanopia

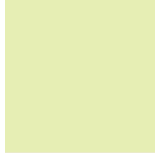
74.9125, 81.4900, 106.3886

Trichromacy



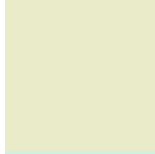
Original Color

64.9385, 81.8525, 57.7239



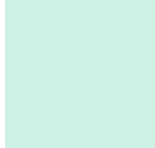
Protanomaly

71.4459, 81.2674, 55.1006



Deuteranomaly

74.0653, 81.0792, 66.3898



Tritanomaly

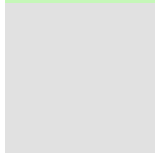
70.7750, 81.5469, 86.1386

Monochromacy



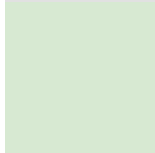
Original Color

64.9385, 81.8525, 57.7239



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.7961, 77.3780, 72.2823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9385, 81.8525, 57.7239 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(197, 247, 184)` looks like.

```
.text, #text, p{  
    color:rgb(197, 247, 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(197, 247, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 247, 184) }
```

Border

The CSS property to change the border of an element to XYZ 64.9385, 81.8525, 57.7239 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(197, 247, 184) }
```


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

```
.border{ border-color:rgb(197, 247, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 247, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 247, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 247, 184);  
box-shadow:4px 4px 4px 4px rgb(197, 247,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9385, 81.8525, 57.7239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 247, 184) }
```

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

```
.background{ background-color: rgb(197,  
247, 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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