

Converting Colors

XYZ(65.2487, 81.6424, 53.9146)

Have a look what the booklet for
XYZ(65.2487, 81.6424, 53.9146)
contains.

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Color

**XYZ(65.2487, 81.6424,
53.9146)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF6B1
RGB	202, 246, 177
RGB Percent	79%, 96%, 69%
CMY	0.2078, 0.0353, 0.3059
CMYK	0.18, 0.00, 0.28, 0.04
HSL	98°, 79%, 83%
HSV	98°, 28%, 96%
XYZ	65.2487, 81.6424, 53.9146
YIQ	224.9780, -4.0750, -30.7870

Conversions

Conversions Part 2

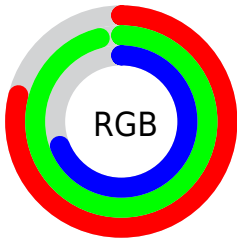
Format	Color
RYB	177, 246, 221
Decimal	13301425
CIELab	92.42, -26.24, 28.70
CIELCh	92, 38.885, 132.433
Yxy	81.6424, 0.3249, 0.4066
Android (android.graphics.Color)	4291491505 (0xFFCAF6B1)
YUV	224.9780, -23.6532, -20.1517
Hunter-Lab	90.3562, -29.2235, 27.8716

Details

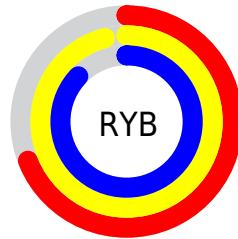
The XYZ color **65.2487, 81.6424, 53.9146** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.1789, 53.4726, 94.2372**, and the grayscale version is **71.7208, 75.4559, 82.1715**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **34.0842, 44.4852, 25.8589** is the 20% darker color. If you saturate the color by 10%, you get **58.9836, 78.6733, 41.9553**, and if you desaturate by 10%, it is **72.3917, 85.0179, 68.2256**.

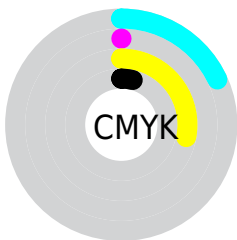
Distribution



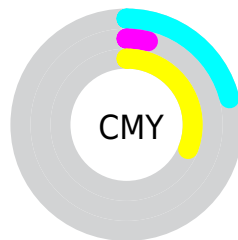
- Red (79%)
- Green (96%)
- Blue (69%)



- Red (69%)
- Yellow (96%)
- Blue (87%)



- Cyan (18%)
- Magenta (0%)
- Yellow (28%)
- Black (4%)



- Cyan (21%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2487, 81.6424, 53.9146 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 65.2487, 81.6424, 53.9146 by changing the saturation by 10% instead.

65.2487, 81.6424,
53.9146

65.2487, 81.6424,
53.9146

433.2163,
500.4507, 418.9497

47.9282, 61.0708,
38.1407

111.4711,
135.6724, 97.4040

33.9811, 44.2823,
25.7892

141.1036,
169.8996, 125.9565

23.0419, 30.8925,
16.4417

175.5710,
209.4475, 159.6057

14.7453, 20.5170,
9.6795

215.2384,
254.7005, 198.7700

8.7260, 12.7714,
5.0842

260.4713,
306.0429, 243.8680

4.6185, 7.2713,
2.2371

311.6350,

2.0577, 3.6324,

363.8591, 295.3183

0.6957

369.0949,
428.5336, 353.5393

0.6660, 1.4701,
0.0000

0.0000, 0.2676,
0.0000

65.2487, 81.6424,
53.9146

65.2487, 81.6424,
53.9146

58.9836, 78.6733,
41.9553

72.3917, 85.0179,
68.2256

53.5535, 76.0839,
32.2167

80.4404, 88.8042,
84.9992

48.9210, 73.8604,
24.5629

89.4294, 93.0193,
104.3460

45.0431, 71.9839,
18.8413

92.2474, 94.3948,
107.9658

■ 41.8719, 70.4335,
14.8781

■ 39.3529, 69.1856,
12.4685

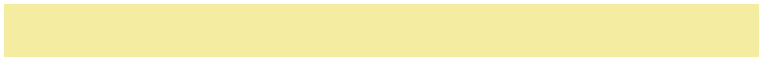
■ 37.4156, 68.2101,
11.3317

■ 37.0890, 68.0448,
11.1792

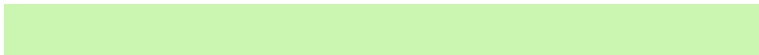
Harmonies

Analogous

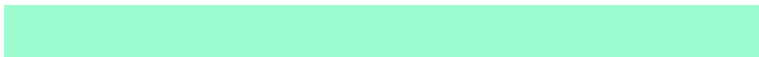
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5023, 81.6424, 44.9798



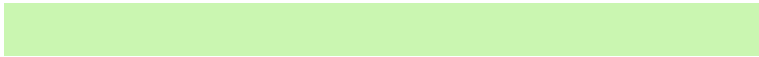
65.2487, 81.6424, 53.9146



60.5576, 81.6424, 73.1805

Triad

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



65.2487, 81.6424, 53.9146



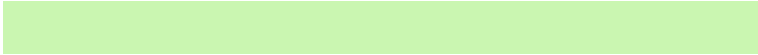
71.8979, 81.6424, 152.9661



98.0937, 81.6424, 77.4774

Complementary

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



65.2487, 81.6424, 53.9146



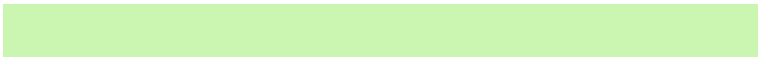
62.1789, 53.4726, 94.2372

Split Complementary

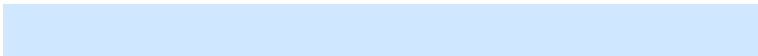
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.5697, 81.6424, 106.7113



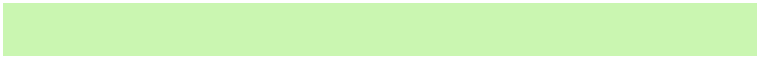
65.2487, 81.6424, 53.9146



81.8444, 81.6424, 154.8201

Square

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



65.2487, 81.6424, 53.9146



64.1620, 81.6424, 131.8259



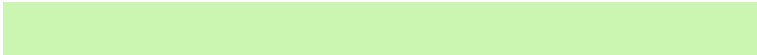
91.4162, 81.6424, 136.4475



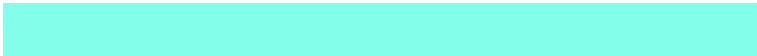
92.7913, 81.6424, 56.4712

Rectangle

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



65.2487, 81.6424, 53.9146



59.8098, 81.6424, 91.2710



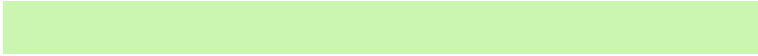
91.4162, 81.6424, 136.4475



98.6053, 81.6424, 86.5600

Sweetspot

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



65.2508, 81.6459, 53.9164



87.3123, 96.3706, 92.2941



71.7224, 74.3251, 52.1622



18.3928, 20.4884, 19.1296



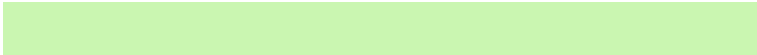
0.0000, 0.0000, 0.0000



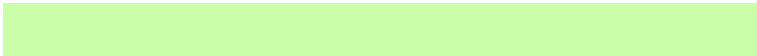
20.3446, 21.4041, 23.3091

Same Dimension

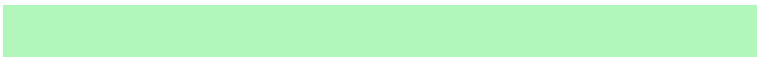
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2508, 81.6459, 53.9164



66.5978, 86.5978, 50.3975



59.9739, 78.8160, 58.6195



16.8489, 18.7642, 17.5314



19.9354, 36.3899, 5.9732



1.8606, 3.2542, 0.5301

Inverse Universe

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



62.1789, 53.4726, 94.2372



62.7217, 51.1181, 101.1687



68.9881, 57.1421, 87.3649



16.5975, 16.4506, 20.8431



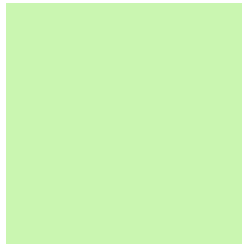
16.4471, 7.4531, 47.1098



1.5578, 0.7129, 4.1457

Previews

White Background



This preview shows how the XYZ color 65.2487, 81.6424, 53.9146 looks on a white background.

Color Contrast Check

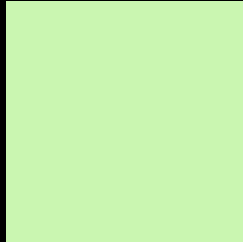
Large Text (above 18pt) WCAG AA × Fail

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 65.2487, 81.6424, 53.9146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

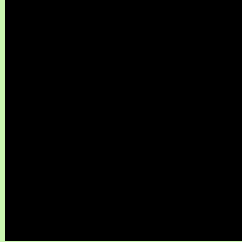
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

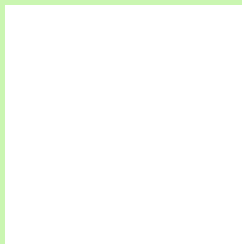
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.2487, 81.6424, 53.9146

Background



This preview shows how black text looks on a background with the XYZ color 65.2487, 81.6424, 53.9146.

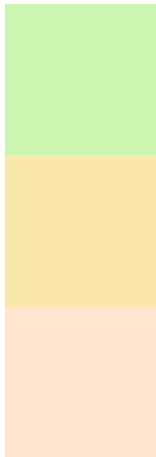


This preview shows how white text looks on a background with the XYZ color 65.2487, 81.6424,

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

65.2487, 81.6424, 53.9146

Protanopia

75.6316, 80.9775, 50.1721

Deuteranopia

80.2459, 81.2518, 70.4852



Tritanopia

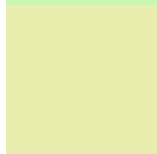
75.7770, 81.5070, 106.3463

Trichromacy



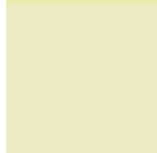
Original Color

65.2487, 81.6424, 53.9146



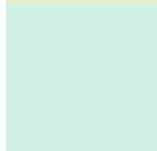
Protanomaly

71.4313, 80.9091, 51.3874



Deuteranomaly

74.2642, 81.2351, 63.9903



Tritanomaly

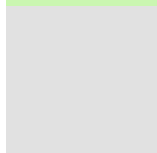
71.6036, 81.5679, 84.6433

Monochromacy



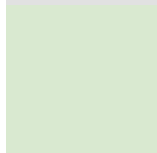
Original Color

65.2487, 81.6424, 53.9146



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.1394, 77.5836, 71.0056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2487, 81.6424, 53.9146 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(202, 246, 177)` looks like.

```
.text, #text, p{  
    color:rgb(202, 246, 177)  
}
```

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(202, 246, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 246, 177) }
```

Border

The CSS property to change the border of an element to XYZ 65.2487, 81.6424, 53.9146 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(202, 246, 177) }
```


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

```
.border{ border-color:rgb(202, 246, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 246, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 246, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 246, 177);  
box-shadow:4px 4px 4px 4px rgb(202, 246,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2487, 81.6424, 53.9146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 246, 177) }
```

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

```
.background{ background-color: rgb(202,  
246, 177) }
```

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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