

Converting Colors

XYZ(65.8656, 84.1460, 51.9703)

Have a look what the booklet for
XYZ(65.8656, 84.1460, 51.9703)
contains.

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Color

**XYZ(66.0310, 84.3904,
51.8385)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FBAC
RGB	201, 251, 172
RGB Percent	79%, 98%, 67%
CMY	0.2118, 0.0157, 0.3255
CMYK	0.20, 0.00, 0.31, 0.02
HSL	98°, 91%, 83%
HSV	98°, 31%, 98%
XYZ	66.0310, 84.3904, 51.8385
YIQ	227.0440, -4.4410, -35.1690

Conversions

Conversions Part 2

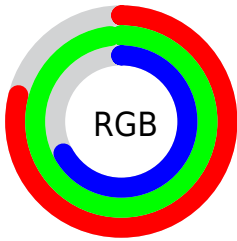
Format	Color
RYB	172, 251, 222
Decimal	13237164
CIELab	93.62, -29.67, 32.83
CIELCh	94, 44.249, 132.101
Yxy	84.3904, 0.3265, 0.4172
Android (android.graphics.Color)	4291427244 (0xFFC9FBAC)
YUV	227.0440, -27.1367, -22.8406
Hunter-Lab	91.8642, -32.4586, 30.8479

Details

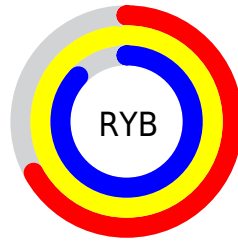
The XYZ color **66.0310, 84.3904, 51.8385** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.2928, 52.0021, 98.0255**, and the grayscale version is **73.2411, 77.0553, 83.9133**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **34.4756, 46.0265, 24.5197** is the 20% darker color. If you saturate the color by 10%, you get **59.7927, 81.4297, 40.1295**, and if you desaturate by 10%, it is **73.1708, 87.7683, 65.9697**.

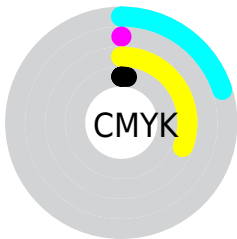
Distribution



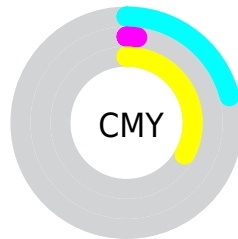
- Red (79%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (87%)



- Cyan (20%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)





- Cyan (21%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0310, 84.3904, 51.8385 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 66.0310, 84.3904, 51.8385 by changing the saturation by 10% instead.


 66.0310, 84.3904,
51.8385

 66.0310, 84.3904,
51.8385


435.9746,
509.6088, 410.7520

 48.5654, 63.3378,
36.4950


 112.5883,
139.5212, 94.3172

 34.4879, 46.1145,
24.5240


142.4107,
174.3681, 122.2894

 23.4334, 32.3362,
15.5070


177.0827,
214.5820, 155.3084

 15.0363, 21.6184,
9.0254

216.9697,
260.5471, 193.7925

 8.9313, 13.5768,
4.6607

262.4370,
312.6480, 238.1604

 4.7532, 7.8269,
1.9944

313.8501,

 2.1364, 3.9844,

371.2690, 288.8306

0.5518

371.5741,
436.7944, 346.2216

0.7089, 1.6648,
0.0000

0.0000, 0.4007,
0.0000

66.0310, 84.3904,
51.8385

66.0310, 84.3904,
51.8385

59.7927, 81.4297,
40.1295

73.1708, 87.7683,
65.9697

54.4102, 78.8581,
30.7013

81.2420, 91.5685,
82.6429

49.8436, 76.6606,
23.4062

90.2812, 95.8098,
101.9767

46.0464, 74.8171,
18.0770

93.7889, 97.4778,
108.4796

■ 42.9665, 73.3048,
14.5214

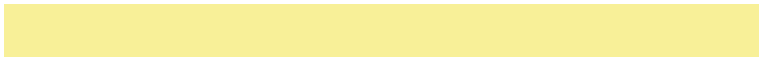
■ 40.5436, 72.0978,
12.5084

■ 38.9258, 71.2799,
11.7068

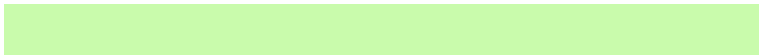
Harmonies

Analogous

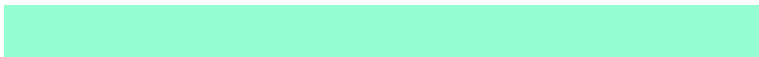
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5785, 84.3904, 42.1263



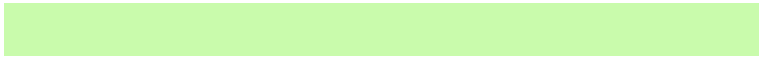
66.0310, 84.3904, 51.8385



60.6207, 84.3904, 73.4449

Triad

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



66.0310, 84.3904, 51.8385



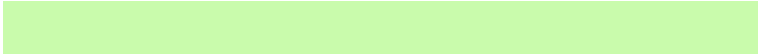
73.4822, 84.3904, 167.9998



104.3238, 84.3904, 79.0103

Complementary

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



66.0310, 84.3904, 51.8385



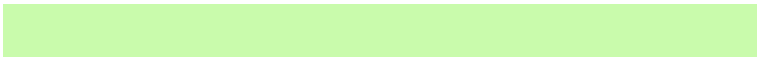
62.2928, 52.0021, 98.0255

Split Complementary

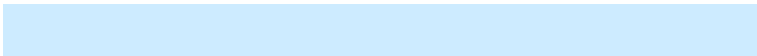
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.6224, 84.3904, 113.1831



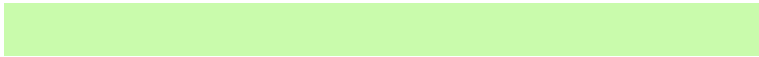
66.0310, 84.3904, 51.8385



85.0281, 84.3904, 170.5385

Square

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



66.0310, 84.3904, 51.8385



64.6255, 84.3904, 142.3028



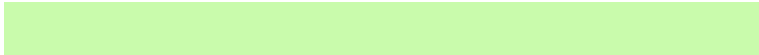
96.2873, 84.3904, 148.5711



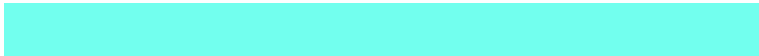
98.1191, 84.3904, 55.0542

Rectangle

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



66.0310, 84.3904, 51.8385



59.7327, 84.3904, 94.2735



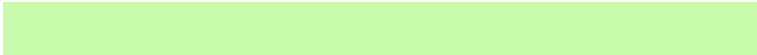
96.2873, 84.3904, 148.5711



104.9034, 84.3904, 89.5408

Sweetspot

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



66.0332, 84.3940, 51.8403



86.4289, 95.9574, 90.3475



73.0151, 75.0546, 49.6696



18.2177, 20.4065, 18.7420



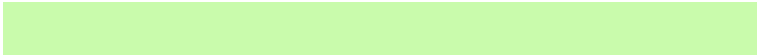
0.0000, 0.0000, 0.0000



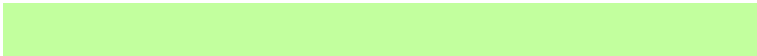
20.3446, 21.4041, 23.3091

Same Dimension

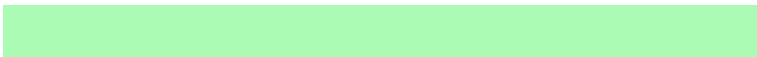
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.0332, 84.3940, 51.8403



64.1031, 85.4175, 45.5015



59.8757, 81.1139, 56.3350



17.6190, 19.6194, 18.3207



20.6061, 37.5411, 6.1601



2.0206, 3.5348, 0.5758

Inverse Universe

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



62.2928, 52.0021, 98.0255



59.6376, 46.8351, 100.5046



70.5339, 56.4143, 91.0094



17.3392, 17.1875, 21.7889



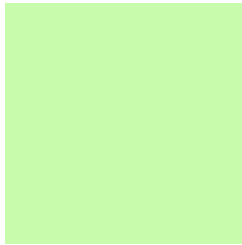
16.8206, 7.6140, 48.5567



1.6744, 0.7653, 4.5026

Previews

White Background



This preview shows how the XYZ color 66.0310, 84.3904, 51.8385 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 66.0310, 84.3904, 51.8385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

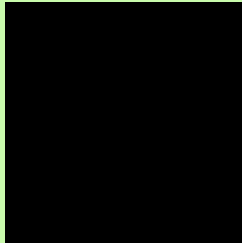
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

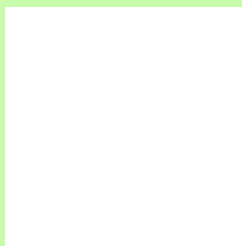
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.0310, 84.3904, 51.8385

Background



This preview shows how black text looks on a background with the XYZ color 66.0310, 84.3904, 51.8385.

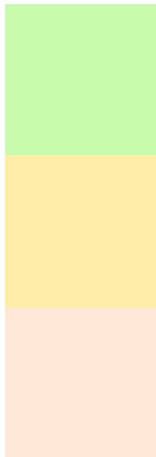


This preview shows how white text looks on a background with the XYZ color 66.0310, 84.3904,

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

66.0310, 84.3904, 51.8385

Protanopia

78.1184, 84.0041, 48.1735

Deuteranopia

82.1069, 83.7773, 74.7939



Tritanopia

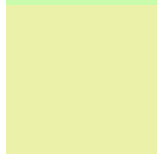
78.1299, 84.0131, 106.7060

Trichromacy



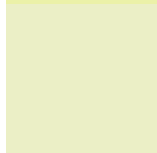
Original Color

66.0310, 84.3904, 51.8385



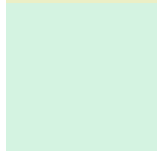
Protanomaly

72.7841, 83.3999, 49.3074



Deuteranomaly

75.3205, 83.4724, 65.5680



Tritanomaly

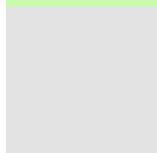
72.7926, 83.5345, 83.5214

Monochromacy



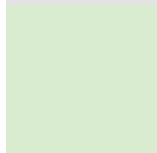
Original Color

66.0310, 84.3904, 51.8385



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1714, 79.4013, 70.6590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0310, 84.3904, 51.8385 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(201, 251, 172)` looks like.

```
.text, #text, p{  
    color:rgb(201, 251, 172)  
}
```

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(201, 251, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 251, 172) }
```

Border

The CSS property to change the border of an element to XYZ 66.0310, 84.3904, 51.8385 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(201, 251, 172) }
```


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

```
.border{ border-color:rgb(201, 251, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 251, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 251, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 251, 172); box-shadow:4px 4px 4px 4px rgb(201, 251, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0310, 84.3904, 51.8385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 251, 172) }
```

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

```
.background{ background-color: rgb(201,  
251, 172) }
```

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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