

# Converting Colors

XYZ(66.5955, 82.5154, 66.4499)

Have a look what the booklet for  
XYZ(66.5955, 82.5154, 66.4499)  
contains.

<b>XYZ(66.5955, 82.5154, 66.4499)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(66.5955, 82.5154,  
66.4499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F7C7
RGB	197, 247, 199
RGB Percent	77%, 97%, 78%
CMY	0.2274, 0.0314, 0.2196
CMYK	0.20, 0.00, 0.19, 0.03
HSL	122°, 76%, 87%
HSV	122°, 20%, 97%
XYZ	66.5955, 82.5154, 66.4499
YIQ	226.5780, -14.3920, -25.5280

# Conversions

## Conversions Part 2

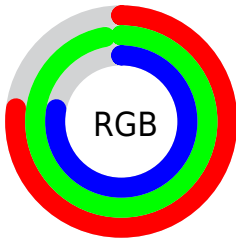
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	197, 245, 247
Decimal	12974023
CIE <sub>Lab</sub>	92.80, -24.88, 17.94
CIE <sub>LCh</sub>	93, 30.678, 144.202
Yxy	82.5154, 0.3089, 0.3828
Android (android.graphics.Color)	4291164103 (0xFFC5F7C7)
YUV	226.5780, -13.5960, -25.9399
Hunter-Lab	90.8380, -28.1039, 20.2147

# Details

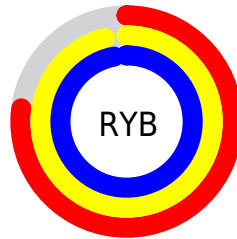
The XYZ color **66.5955, 82.5154, 66.4499** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.8083, 66.3010, 95.2444**, and the grayscale version is **72.8121, 76.6040, 83.4217**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **34.6796, 44.6220, 33.5732** is the 20% darker color. If you saturate the color by 10%, you get **58.1081, 78.4361, 52.7839**, and if you desaturate by 10%, it is **76.5761, 87.3197, 82.4286**.

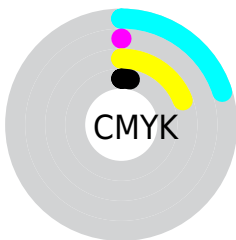
# Distribution



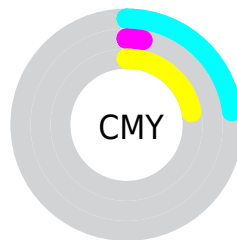
- Red (77%)
- Green (97%)
- Blue (78%)



- Red (77%)
- Yellow (96%)
- Blue (97%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)



- Cyan (23%)
- Magenta (3%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5955, 82.5154, 66.4499 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 66.5955, 82.5154, 66.4499 by changing the saturation by 10% instead.



66.5955, 82.5154,  
66.4499

66.5955, 82.5154,  
66.4499

437.9587,  
503.3701, 466.4322

49.0255, 61.7905,  
48.1789

113.3936,  
136.8965, 115.7650

34.8543, 44.8634,  
33.6076

143.3524,  
171.3215, 147.6461

23.7166, 31.3498,  
22.3174

178.1715,  
211.0820, 184.9011

15.2472, 20.8654,  
13.8898

218.2162,  
256.5623, 227.9485

9.0805, 13.0256,  
7.9062

263.8519,  
308.1468, 277.2067

4.8512, 7.4462,  
3.9480


315.4440,


2.1941, 3.7427,


366.2201, 333.0944


1.5969


373.3578,  
431.1663, 396.0301

 0.7396, 1.5307,  
0.2886


 0.0000, 0.3102,  
0.0000


 66.5955, 82.5154,  
66.4499


 66.5955, 82.5154,  
66.4499


 58.1081, 78.4361,  
52.7839


 76.5761, 87.3197,  
82.4286

 51.0359, 75.0367,  
41.3184

 88.1098, 92.8705,  
100.8142

 45.3039, 72.2833,  
31.9400

 92.5524, 95.0048,  
108.0675

 40.8274, 70.1352,  
24.5232

■ 37.5123, 68.5466,  
18.9288

■ 35.2511, 67.4655,  
14.9997

■ 33.9162, 66.8301,  
12.5520

■ 33.3166, 66.5465,  
11.3726

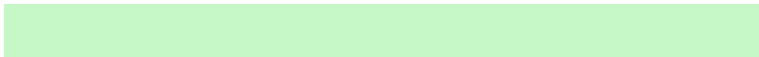
# Harmonies

## Analogous

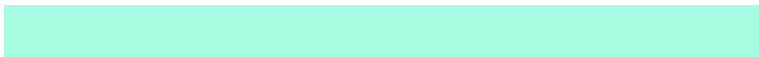
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2864, 82.5154, 55.3394



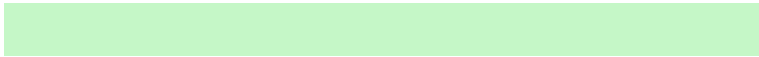
66.5955, 82.5154, 66.4499



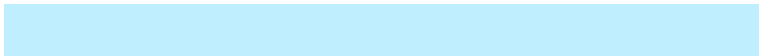
64.0909, 82.5154, 85.4656

# Triad

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



66.5955, 82.5154, 66.4499



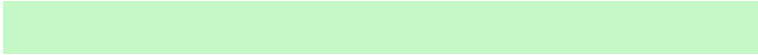
76.8839, 82.5154, 141.2208



93.3210, 82.5154, 72.9591

# Complementary

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



66.5955, 82.5154, 66.4499



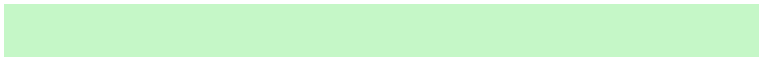
74.8083, 66.3010, 95.2444

# 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.



94.7590, 82.5154, 94.3720



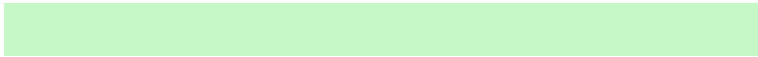
66.5955, 82.5154, 66.4499



84.9088, 82.5154, 136.3452

# Square

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



66.5955, 82.5154, 66.4499



69.7658, 82.5154, 130.5491



91.5860, 82.5154, 118.1733

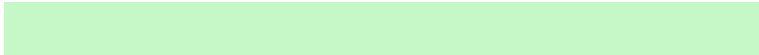


87.7800, 82.5154, 58.6259

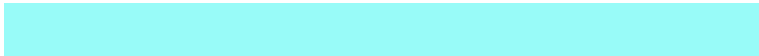


# Rectangle

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



66.5955, 82.5154, 66.4499



64.4339, 82.5154, 101.0995



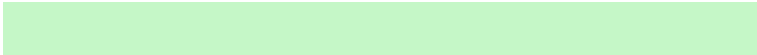
91.5860, 82.5154, 118.1733



94.3153, 82.5154, 79.4588

# Sweetspot

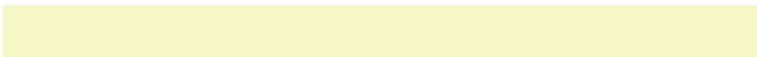
The Sweet Spot groups the original color and five complimentary colors.



66.5977, 82.5189, 66.4517



87.3680, 96.3026, 96.6649



81.1150, 90.0295, 65.9262



18.5294, 20.5304, 20.4176



0.0000, 0.0000, 0.0000

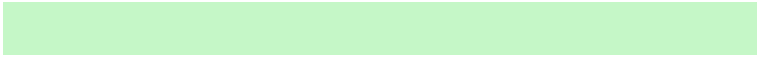


20.3446, 21.4041, 23.3091

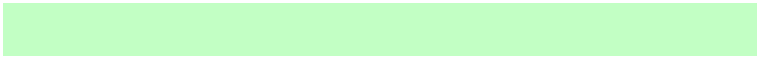


# Same Dimension

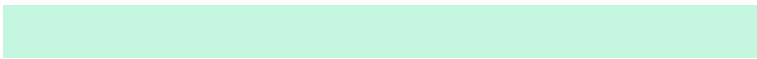
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5977, 82.5189, 66.4517



67.9490, 86.9598, 65.5768



69.6985, 83.7592, 82.7803



16.3091, 18.4828, 17.6460



17.6313, 35.1974, 6.0784



1.5589, 3.0972, 0.5830



# Inverse Universe

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



74.8083, 66.3010, 95.2444



78.1455, 66.8179, 101.3325



71.2891, 64.8933, 76.7123



17.1833, 16.7562, 20.7118



28.3927, 13.7005, 43.6377

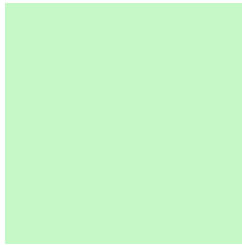


2.5042, 1.2076, 3.8815



# Previews

## White Background



This preview shows how the XYZ color 66.5955, 82.5154, 66.4499 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 66.5955, 82.5154, 66.4499 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 66.5955, 82.5154, 66.4499**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.5955, 82.5154, 66.4499.



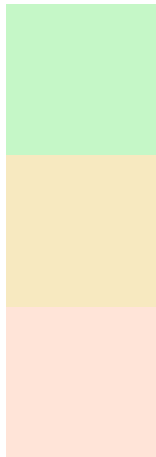
This preview shows how white text looks on a background with the XYZ color 66.5955, 82.5154,

66.4499.

# 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

66.5955, 82.5154, 66.4499

### Protanopia

77.0111, 81.8578, 61.6104

### Deuteranopia

81.3781, 81.7047, 76.4472



## Tritanopia

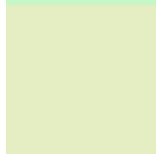
75.4885, 82.2180, 106.4987

# Trichromacy



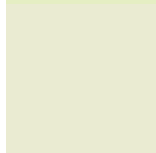
## Original Color

66.5955, 82.5154, 66.4499



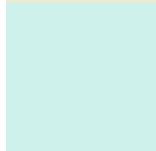
## Protanomaly

72.7380, 81.7472, 63.5748



## Deuteranomaly

75.2729, 81.5622, 72.7485



## Tritanomaly

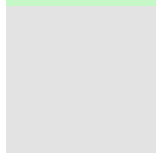
71.9043, 82.0306, 90.6410

# Monochromacy



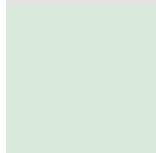
## Original Color

66.5955, 82.5154, 66.4499



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.2661, 78.4543, 77.0854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5955, 82.5154, 66.4499 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(197, 247, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 247, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5955, 82.5154, 66.4499 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, 199) }
```



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

```
.border{ border-color:rgb(197, 247, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 247, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 247, 199);  
box-shadow:4px 4px 4px 4px rgb(197, 247,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5955, 82.5154, 66.4499 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, 199) }
```

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

```
.background{ background-color: rgb(197,  
247, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor