

# Converting Colors

XYZ(66.5436, 83.0759, 55.2099)

Have a look what the booklet for  
XYZ(66.5436, 83.0759, 55.2099)  
contains.

<b>XYZ(66.6059, 83.2268, 55.2017)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(66.6059, 83.2268,  
55.2017)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCF8B3
RGB	204, 248, 179
RGB Percent	80%, 97%, 70%
CMY	0.2000, 0.0274, 0.2980
CMYK	0.18, 0.00, 0.28, 0.03
HSL	98°, 83%, 84%
HSV	98°, 28%, 97%
XYZ	66.6059, 83.2268, 55.2017
YIQ	226.9780, -4.0750, -30.7870

# Conversions

## Conversions Part 2

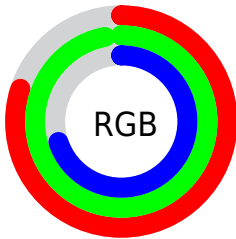
Format	Color
<a href="#">RYB</a>	<a href="#">179, 248, 223</a>
Decimal	<a href="#">13433011</a>
CIELab	<a href="#">93.11, -26.20, 28.65</a>
CIELCh	<a href="#">93, 38.827, 132.444</a>
Yxy	<a href="#">83.2268, 0.3249, 0.4059</a>
Android (android.graphics.Color)	<a href="#">4291623091 (0xFFCCCF8B3)</a>
YUV	<a href="#">226.9780, -23.6532, -20.1517</a>
Hunter-Lab	<a href="#">91.2287, -29.3278, 27.9842</a>

# Details

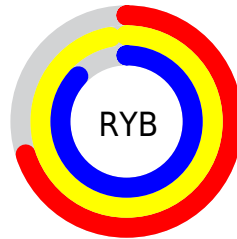
The XYZ color **66.6059, 83.2268, 55.2017** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.4982, 54.7079, 96.0243**, and the grayscale version is **73.1682, 76.9787, 83.8298**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **34.7911, 45.1575, 26.6213** is the 20% darker color. If you saturate the color by 10%, you get **60.2033, 80.1929, 42.9658**, and if you desaturate by 10%, it is **73.9042, 86.6754, 69.8377**.

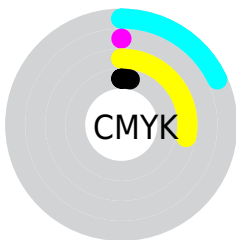
# Distribution



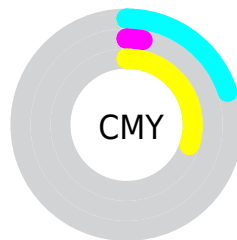
- Red (80%)
- Green (97%)
- Blue (70%)



- Red (70%)
- Yellow (97%)
- Blue (87%)



- Cyan (18%)
- Magenta (0%)
- Yellow (28%)
- Black (3%)




- Cyan (20%)
- Magenta (3%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6059, 83.2268, 55.2017 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 66.6059, 83.2268, 55.2017 by changing the saturation by 10% instead.





 66.6059, 83.2268,  
55.2017

 66.6059, 83.2268,  
55.2017


437.9952,  
505.7421, 423.9795

 49.0339, 62.3773,  
39.1635


 113.4084,  
137.8931, 99.3105

 34.8611, 45.3376,  
26.5782


143.3697,  
172.4786, 128.2183

 23.7219, 31.7234,  
17.0270


178.1915,  
212.4116, 162.2530

 15.2511, 21.1503,  
10.0916

218.2392,  
258.0764, 201.8332

 9.0832, 13.2339,  
5.3533

263.8780,  
309.8575, 247.3774

 4.8531, 7.5898,  
2.3937

315.4734,

 2.1952, 3.8336,

368.1392, 299.3041

0.7830

373.3907,  
433.3059, 358.0320

0.7402, 1.5809,  
0.0000

0.0000, 0.3447,  
0.0000

66.6059, 83.2268,  
55.2017

66.6059, 83.2268,  
55.2017

60.2033, 80.1929,  
42.9658

73.9042, 86.6754,  
69.8377

54.6527, 77.5463,  
32.9964

82.1267, 90.5432,  
86.9868

49.9160, 75.2731,  
25.1556

91.3084, 94.8483,  
106.7613

45.9496, 73.3541,  
19.2877

92.8591, 95.6181,  
108.1697

■ 42.7047, 71.7681,  
15.2162

■ 40.1257, 70.4908,  
12.7329

■ 38.1423, 69.4923,  
11.5581

■ 37.7707, 69.3042,  
11.3863

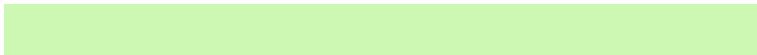
# Harmonies

## Analogous

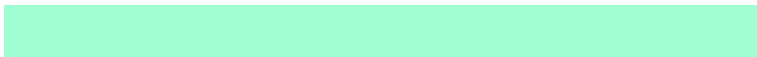
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9575, 83.2268, 46.1306



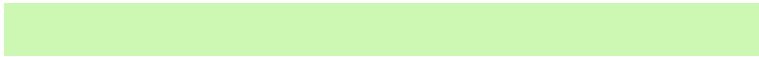
66.6059, 83.2268, 55.2017



61.8574, 83.2268, 74.7277

# Triad

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



66.6059, 83.2268, 55.2017



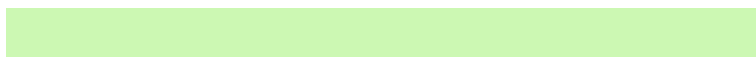
73.3412, 83.2268, 155.3311



99.8192, 83.2268, 79.0588

# Complementary

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



66.6059, 83.2268, 55.2017



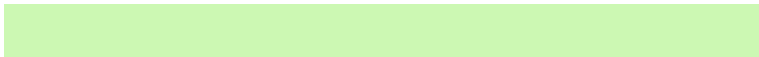
63.4982, 54.7079, 96.0243

# Split Complementary

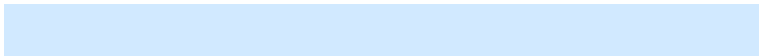
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.2921, 83.2268, 108.6191



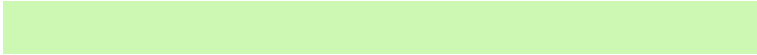
66.6059, 83.2268, 55.2017



83.4019, 83.2268, 157.1933

# Square

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



66.6059, 83.2268, 55.2017



65.5104, 83.2268, 134.0045



93.0765, 83.2268, 138.6494

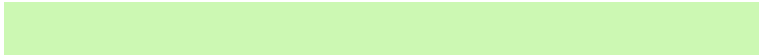


94.4602, 83.2268, 57.7833

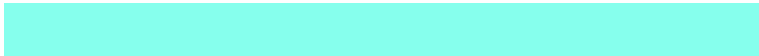


# Rectangle

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



66.6059, 83.2268, 55.2017



61.1012, 83.2268, 93.0340



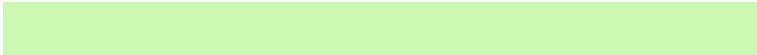
93.0765, 83.2268, 138.6494



100.3367, 83.2268, 88.2478

# Sweetspot

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



66.6081, 83.2304, 55.2035



87.3124, 96.3706, 92.2941



73.1590, 75.8297, 53.4298



18.3928, 20.4884, 19.1296



0.0000, 0.0000, 0.0000

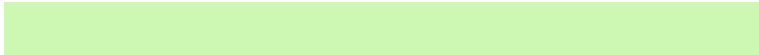


20.3446, 21.4041, 23.3091

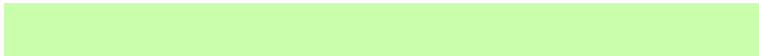


# Same Dimension

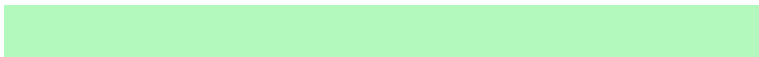
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6081, 83.2304, 55.2035



67.2742, 86.9187, 51.6844



61.2590, 80.3617, 59.9743



17.6110, 19.6152, 18.3203



20.5424, 37.5083, 6.1571



2.0141, 3.5314, 0.5755



# Inverse Universe

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



63.4982, 54.7079, 96.0243



63.4846, 52.2187, 101.3410



70.3851, 58.4191, 89.0767



17.3476, 17.1918, 21.7893



16.9454, 7.6784, 48.5625

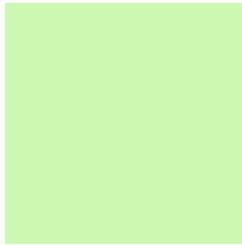


1.6855, 0.7710, 4.5032



# Previews

## White Background



This preview shows how the XYZ color 66.6059, 83.2268, 55.2017 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 66.6059, 83.2268, 55.2017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

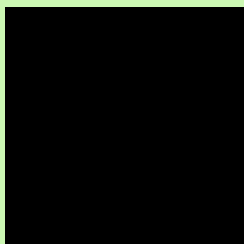
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

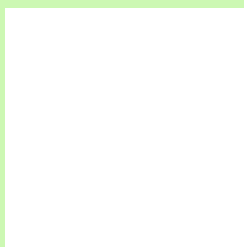
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.6059, 83.2268, 55.2017

## Background



This preview shows how black text looks on a background with the XYZ color 66.6059, 83.2268, 55.2017.



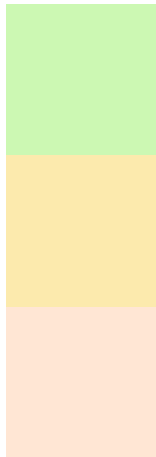
This preview shows how white text looks on a background with the XYZ color 66.6059, 83.2268,



# 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

66.6059, 83.2268, 55.2017

### Protanopia

77.1105, 82.5582, 51.4063

### Deuteranopia

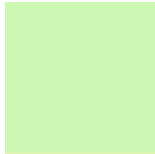
81.4205, 82.6071, 73.9408



## Tritanopia

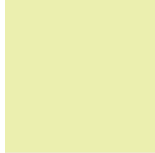
77.5380, 83.2745, 106.5946

# Trichromacy



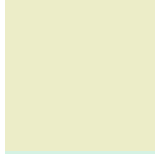
## Original Color

66.6059, 83.2268, 55.2017



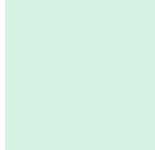
## Protanomaly

72.8653, 82.4903, 52.6393



## Deuteranomaly

75.3016, 82.5714, 66.6126



## Tritanomaly

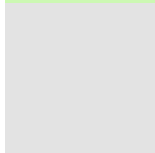
73.0578, 83.1964, 84.8810

# Monochromacy



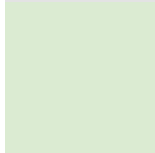
## Original Color

66.6059, 83.2268, 55.2017



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.5546, 79.1299, 72.5277

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6059, 83.2268, 55.2017 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(204, 248, 179)` looks like.

```
.text, #text, p{  
    color:rgb(204, 248, 179)  
}
```

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(204, 248, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 248, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6059, 83.2268, 55.2017 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(204, 248, 179) }
```



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

```
.border{ border-color:rgb(204, 248, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 248, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 248, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 248, 179);  
box-shadow:4px 4px 4px 4px rgb(204, 248,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6059, 83.2268, 55.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 248, 179) }
```

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

```
.background{ background-color: rgb(204,  
248, 179) }
```

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