

# Converting Colors

XYZ(80.2345, 118.3187,  
64.9101)

Have a look what the booklet for  
XYZ(80.2345, 118.3187, 64.9101)  
contains.

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# Color

**XYZ(63.4453, 84.7685,  
59.4724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FFBA
RGB	180, 255, 186
RGB Percent	71%, 100%, 73%
CMY	0.2941, 0.0000, 0.2706
CMYK	0.29, 0.00, 0.27, 0.00
HSL	125°, 100%, 85%
HSV	125°, 29%, 100%
XYZ	63.4453, 84.7685, 59.4724
YIQ	224.7090, -22.5510, -37.3590

# Conversions

## Conversions Part 2

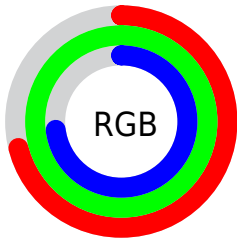
Format	Color
<a href="#">RYB</a>	<a href="#">180, 249, 255</a>
Decimal	<a href="#">11861946</a>
CIELab	<a href="#">93.78, -36.23, 25.80</a>
CIElCh	<a href="#">94, 44.473, 144.549</a>
Yxy	<a href="#">84.7685, 0.3055, 0.4082</a>
Android (android.graphics.Color)	<a href="#">4290052026 (0xFFB4FFBA)</a>
YUV	<a href="#">224.7090, -19.0835, -39.2098</a>
Hunter-Lab	<a href="#">92.0698, -38.1178, 26.1506</a>

# Details

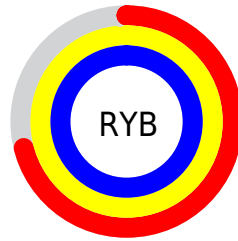
The XYZ color **63.4453, 84.7685, 59.4724** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **74.6602, 60.7425, 97.4110**, and the grayscale version is **71.5029, 75.2267, 81.9218**.

A 20% lighter version of the original color is **86.7121, 95.9353, 97.9516**, and **32.8164, 46.4141, 29.0590** is the 20% darker color. If you saturate the color by 10%, you get **55.7520, 81.0673, 47.1450**, and if you desaturate by 10%, it is **72.6412, 89.1969, 74.0100**.

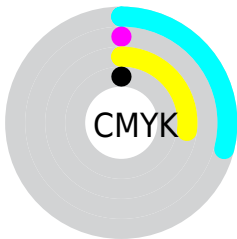
# Distribution



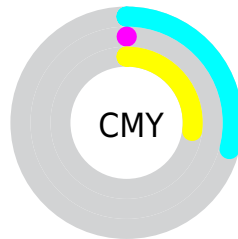
- Red (71%)
- Green (100%)
- Blue (73%)



- Red (71%)
- Yellow (98%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4453, 84.7685, 59.4724 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 63.4453, 84.7685, 59.4724 by changing the saturation by 10% instead.




 63.4453, 84.7685,  
59.4724

 63.4453, 84.7685,  
59.4724

426.8178,  
510.8617, 440.4008

 46.4615, 63.6501,  
42.5710


 108.8899,  
140.0497, 105.5998

 32.8164, 46.3673,  
29.2198


138.0815,  
174.9813, 135.6629

 22.1444, 32.5358,  
19.0001


172.0730,  
215.2861, 170.9503

 14.0802, 21.7711,  
11.4936

211.2299,  
261.3485, 211.8805

 8.2585, 13.6888,  
6.2815

255.9174,  
313.5528, 258.8722

 4.3140, 7.9045,  
2.9455

306.5010,

 1.8813, 4.0339,

372.2835, 312.3437

1.0669

363.3460,  
437.9251, 372.7138

■ 0.5659, 1.6926,  
0.0000

■ 0.0000, 0.4188,  
0.0000

■ 63.4453, 84.7685,  
59.4724

■ 63.4453, 84.7685,  
59.4724

■ 55.7520, 81.0673,  
47.1450

■ 72.6412, 89.1969,  
74.0100

■ 49.4797, 78.0537,  
36.9160

■ 83.4121, 94.3878,  
90.8544

■ 44.5417, 75.6855,  
28.6696

95.0500, 100.0000,  
108.9000

■ 40.8409, 73.9153,  
22.2774

■ 38.2671, 72.6894,  
17.5958

■ 36.6904, 71.9444,  
14.4603

■ 35.9215, 71.5868,  
12.6726

■ 35.8899, 71.5720,  
12.6040

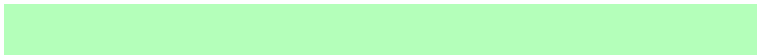
# Harmonies

## Analogous

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



71.4956, 84.7685, 44.8669



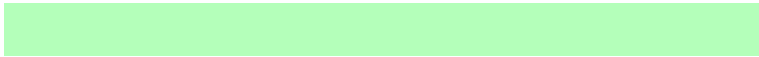
63.4453, 84.7685, 59.4724



60.0057, 84.7685, 86.2548

# Triad

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



63.4453, 84.7685, 59.4724



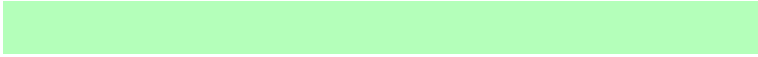
78.4310, 84.7685, 173.3924



103.0500, 84.7685, 67.8215

# Complementary

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



63.4453, 84.7685, 59.4724



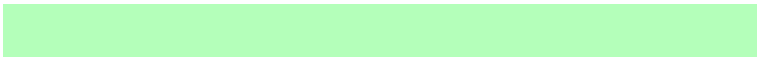
74.6602, 60.7425, 97.4110

# 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.



105.3656, 84.7685, 98.6181



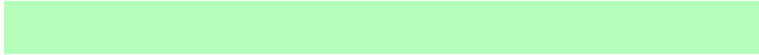
63.4453, 84.7685, 59.4724



90.3812, 84.7685, 165.0253

# Square

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



63.4453, 84.7685, 59.4724



68.0992, 84.7685, 156.0869



100.5280, 84.7685, 135.4095

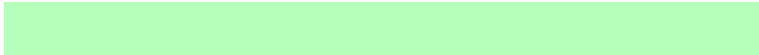


94.4772, 84.7685, 48.7975



# Rectangle

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



63.4453, 84.7685, 59.4724



60.5212, 84.7685, 109.6250



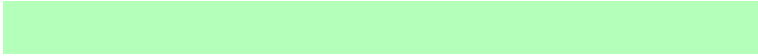
100.5280, 84.7685, 135.4095



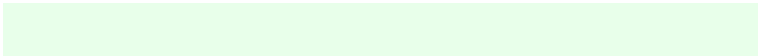
104.6191, 84.7685, 76.9012

# Sweetspot

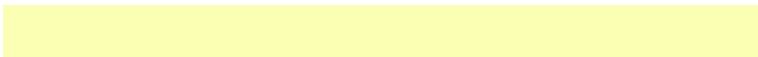
The Sweet Spot groups the original color and five complimentary colors.



63.4458, 84.7687, 59.4737



83.8899, 94.6182, 91.5980



83.4227, 95.1393, 57.1475



17.5968, 20.0791, 19.0466



0.0000, 0.0000, 0.0000

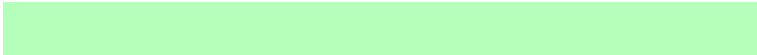


20.3446, 21.4041, 23.3091

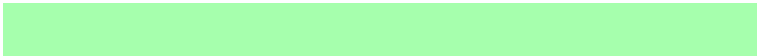


# Same Dimension

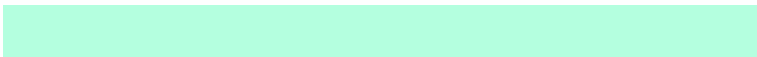
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4458, 84.7687, 59.4737



58.9658, 82.6129, 52.3182



67.8347, 86.5242, 82.5851



17.8305, 20.1917, 19.4106



18.7738, 37.4061, 6.6940



1.8473, 3.6498, 0.7536



# Inverse Universe

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



74.6602, 60.7425, 97.4110



71.7521, 55.2102, 95.5668



69.5084, 58.6818, 70.2822



18.7263, 18.2738, 22.4416



29.3800, 14.2413, 42.2471

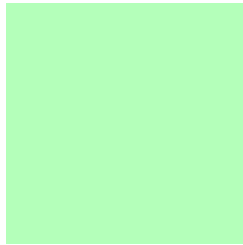


2.8785, 1.3938, 4.2074



# Previews

## White Background



This preview shows how the XYZ color 63.4453, 84.7685, 59.4724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

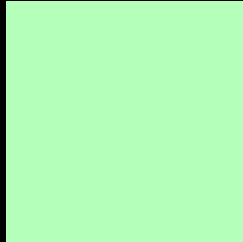
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4453, 84.7685, 59.4724 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

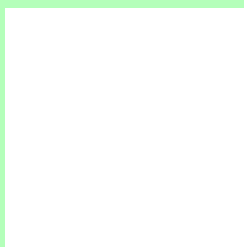
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.4453, 84.7685, 59.4724**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.4453, 84.7685, 59.4724.



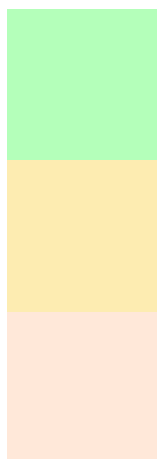
This preview shows how white text looks on a background with the XYZ color 63.4453, 84.7685,

59.4724.

# 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

63.4453, 84.7685, 59.4724

### Protanopia

78.4393, 84.0479, 53.6836

### Deuteranopia

82.6210, 83.9830, 77.5014



## Tritanopia

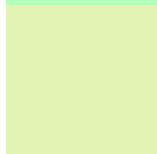
76.3805, 84.4259, 106.8779

# Trichromacy



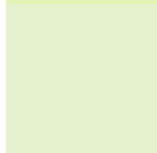
## Original Color

63.4453, 84.7685, 59.4724



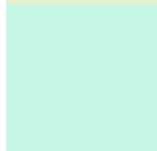
## Protanomaly

71.6528, 83.5652, 55.5332



## Deuteranomaly

74.2956, 83.2704, 70.5495



## Tritanomaly

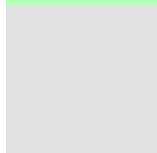
71.0969, 84.3768, 87.4021

# Monochromacy



## Original Color

63.4453, 84.7685, 59.4724



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

68.0478, 78.2494, 73.1452

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4453, 84.7685, 59.4724 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(180, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 186)  
}
```

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(180, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4453, 84.7685, 59.4724 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(180, 255, 186) }
```



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

```
.border{ border-color:rgb(180, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4453, 84.7685, 59.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 186) }
```

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

```
.background{ background-color: rgb(180,  
255, 186) }
```

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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