

# Converting Colors

XYZ(61.0459, 79.4274, 64.8063)

Have a look what the booklet for  
XYZ(61.0459, 79.4274, 64.8063)  
contains.

<b>XYZ(60.9383, 79.1729, 64.8934)</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(60.9383, 79.1729,  
64.8934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0F6C5
RGB	176, 246, 197
RGB Percent	69%, 96%, 77%
CMY	0.3098, 0.0353, 0.2274
CMYK	0.28, 0.00, 0.20, 0.04
HSL	138°, 80%, 83%
HSV	138°, 28%, 96%
XYZ	60.9383, 79.1729, 64.8934
YIQ	219.4840, -25.9910, -30.0790

# Conversions

## Conversions Part 2

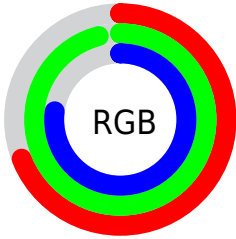
Format	Color
<a href="#">RYB</a>	<a href="#">176, 230, 246</a>
Decimal	<a href="#">11597509</a>
CIELab	<a href="#">91.31, -31.41, 16.71</a>
CIELCh	<a href="#">91, 35.580, 151.986</a>
Yxy	<a href="#">79.1729, 0.2973, 0.3862</a>
Android (android.graphics.Color)	<a href="#">4289787589 (0xFFB0F6C5)</a>
YUV	<a href="#">219.4840, -11.0846, -38.1355</a>
Hunter-Lab	<a href="#">88.9792, -33.4659, 19.0446</a>

# Details

The XYZ color **60.9383, 79.1729, 64.8934** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.1247, 56.0815, 78.5244**, and the grayscale version is **67.7575, 71.2861, 77.6306**.

A 20% lighter version of the original color is **87.2537, 95.9994, 107.6969**, and **31.1816, 42.5159, 32.5496** is the 20% darker color. If you saturate the color by 10%, you get **54.0103, 75.8187, 54.8512**, and if you desaturate by 10%, it is **69.1039, 83.1435, 76.1736**.

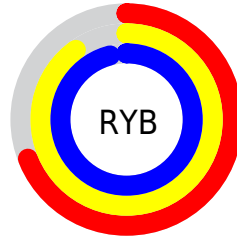
# Distribution



Red (69%)

Green (96%)

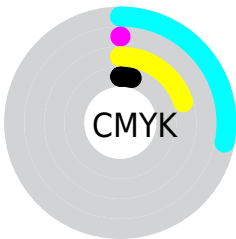
Blue (77%)



Red (69%)

Yellow (90%)

Blue (96%)

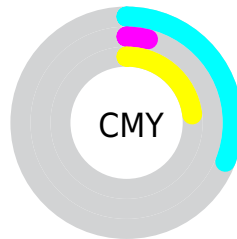


Cyan (28%)

Magenta (0%)

Yellow (20%)

Black (4%)



Cyan (31%)

Magenta (4%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.9383, 79.1729, 64.8934 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 60.9383, 79.1729, 64.8934 by changing the saturation by 10% instead.



60.9383, 79.1729,  
64.8934

60.9383, 79.1729,  
64.8934

417.8273,  
492.1411, 460.7045

44.4277, 59.0380,  
46.9239

105.2882,  
132.2022, 113.5084

31.2063, 42.6437,  
32.6215

133.8583,  
165.8654, 144.9909

20.9086, 29.6057,  
21.5679

167.1789,  
204.8069, 181.8149

13.1693, 19.5395,  
13.3445

205.6153,  
249.4109, 224.3987

7.6230, 12.0607,  
7.5327

249.5331,  
300.0620, 273.1611

3.9044, 6.7850,  
3.7140

299.2974,

1.6482, 3.3280,

357.1444, 328.5205

1.4698

355.2737,  
421.0426, 390.8954

■ 0.4235, 1.3053,  
0.1953

■ 0.0000, 0.1453,  
0.0000

■ 60.9383, 79.1729,  
64.8934

■ 60.9383, 79.1729,  
64.8934

■ 54.0103, 75.8187,  
54.8512

■ 69.1039, 83.1435,  
76.1736

■ 48.2516, 73.0400,  
45.9994

■ 78.5583, 87.7493,  
88.7267

■ 43.5966, 70.8059,  
38.2950

■ 89.3576, 93.0208,  
102.5929

■ 39.9706, 69.0791,  
31.6904

■ 92.2473, 94.3946,  
107.9658

■ 37.2891, 67.8169,  
26.1345

■ 35.4531, 66.9695,  
21.5721

■ 34.3253, 66.4673,  
17.9416

■ 34.1866, 66.4063,  
17.4591

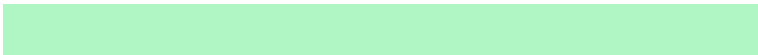
# Harmonies

## Analogous

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



66.4225, 79.1729, 50.5298



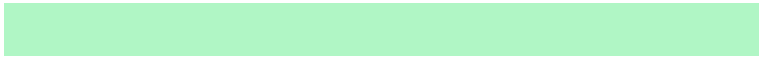
60.9383, 79.1729, 64.8934



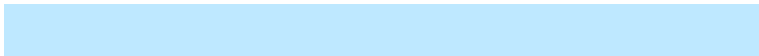
59.1966, 79.1729, 87.9411

# Triad

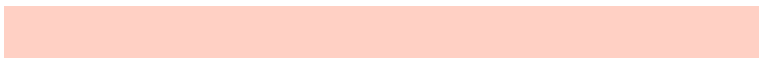
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



60.9383, 79.1729, 64.8934



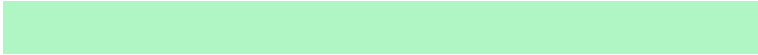
75.8550, 79.1729, 146.0731



90.9621, 79.1729, 62.4540

# Complementary

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



60.9383, 79.1729, 64.8934



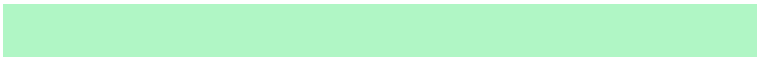
67.1247, 56.0815, 78.5244

# 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.



93.9747, 79.1729, 84.4935



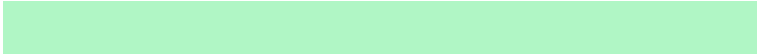
60.9383, 79.1729, 64.8934



84.8300, 79.1729, 135.6423

# Square

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



60.9383, 79.1729, 64.8934



67.3864, 79.1729, 137.9876



91.6468, 79.1729, 111.7378

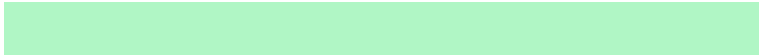


83.7059, 79.1729, 49.3321



# Rectangle

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



60.9383, 79.1729, 64.8934



60.2703, 79.1729, 106.1977



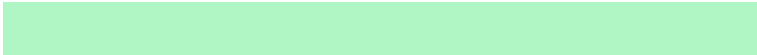
91.6468, 79.1729, 111.7378



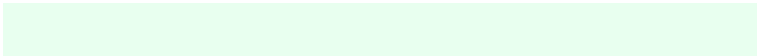
92.5297, 79.1729, 68.8949

# Sweetspot

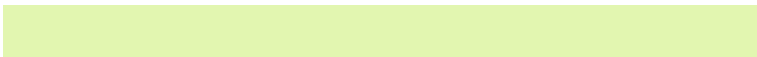
The Sweet Spot groups the original color and five complimentary colors.



60.9404, 79.1762, 64.8952



84.6253, 94.9123, 95.4705



72.2115, 85.2456, 53.7232



17.7766, 20.1510, 19.9933



0.0000, 0.0000, 0.0000

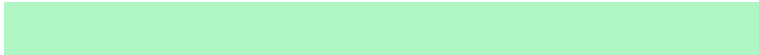


20.3446, 21.4041, 23.3091

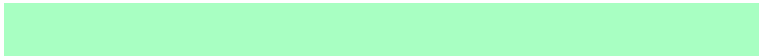


# Same Dimension

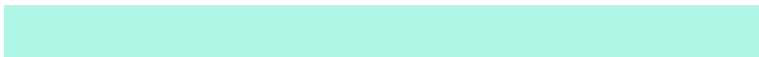
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.9404, 79.1762, 64.8952



61.7448, 83.7868, 64.1394



65.2630, 80.9052, 87.6577



16.4868, 18.5539, 18.5818



18.3005, 35.4650, 9.6022



1.6519, 3.1344, 1.0730



# Inverse Universe

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



67.1247, 56.0815, 78.5244



69.4396, 55.0328, 81.0845



62.9560, 54.4141, 56.5726



16.9895, 16.6786, 19.6911



24.3360, 12.0779, 22.2758

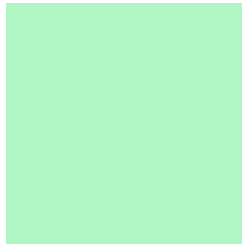


2.1842, 1.0796, 2.1962



# Previews

## White Background



This preview shows how the XYZ color 60.9383, 79.1729, 64.8934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

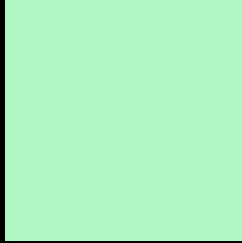
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.9383, 79.1729, 64.8934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

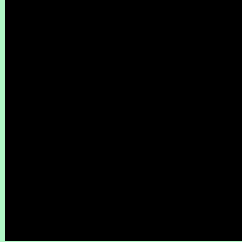
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

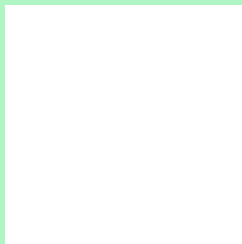
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.9383, 79.1729, 64.8934

## Background



This preview shows how black text looks on a background with the XYZ color 60.9383, 79.1729, 64.8934.



This preview shows how white text looks on a background with the XYZ color 60.9383, 79.1729,

64.8934.

# 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

60.9383, 79.1729, 64.8934

### Protanopia

73.8226, 78.5900, 59.4226

### Deuteranopia

79.0128, 78.5894, 70.6794



## Tritanopia

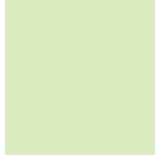
69.8200, 78.8647, 106.1503

# Trichromacy



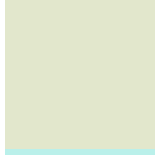
## Original Color

60.9383, 79.1729, 64.8934



## Protanomaly

68.1362, 78.1279, 61.3582



## Deuteranomaly

70.8390, 77.6802, 68.3869



## Tritanomaly

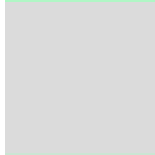
66.2611, 78.6998, 89.5402

# Monochromacy



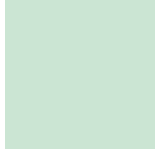
## Original Color

60.9383, 79.1729, 64.8934



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

64.4058, 73.4383, 72.4085

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.9383, 79.1729, 64.8934 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(176, 246, 197)` looks like.

```
.text, #text, p{  
    color:rgb(176, 246, 197)  
}
```

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(176, 246, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 246, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 60.9383, 79.1729, 64.8934 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(176, 246, 197) }
```



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

```
.border{ border-color:rgb(176, 246, 197) }
```

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

Here you see how a box with a 4 pixel rgb(176, 246, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 246, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 246, 197);  
box-shadow:4px 4px 4px 4px rgb(176, 246,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.9383, 79.1729, 64.8934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 246, 197) }
```

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

```
.background{ background-color: rgb(176,  
246, 197) }
```

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