

# Converting Colors

XYZ(63.4442, 80.5743, 61.3311)

Have a look what the booklet for  
XYZ(63.4442, 80.5743, 61.3311)  
contains.

<b>XYZ(63.3460, 80.4919, 61.4880)</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(63.3460, 80.4919,  
61.4880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BDF6BF</b>
RGB	<b>189, 246, 191</b>
RGB Percent	<b>74%, 96%, 75%</b>
CMY	<b>0.2588, 0.0353, 0.2510</b>
CMYK	<b>0.23, 0.00, 0.22, 0.04</b>
HSL	<b>122°, 76%, 85%</b>
HSV	<b>122°, 23%, 96%</b>
XYZ	<b>63.3460, 80.4919, 61.4880</b>
YIQ	<b>222.6870, -16.3170, -29.1890</b>

# Conversions

## Conversions Part 2

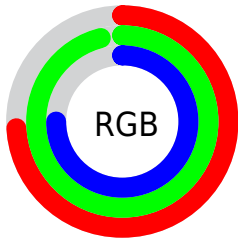
Format	Color
R <sub>YB</sub>	189, 244, 246
Decimal	12449471
CIE <sub>Lab</sub>	91.91, -28.36, 20.73
CIE <sub>LCh</sub>	92, 35.130, 143.835
Yxy	80.4919, 0.3085, 0.3920
Android (android.graphics.Color)	4290639551 (0xFFBDF6BF)
YUV	222.6870, -15.6217, -29.5435
Hunter-Lab	89.7173, -30.9731, 22.1675

# Details

The XYZ color **63.3460, 80.4919, 61.4880** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.5355, 62.5215, 93.8363**, and the grayscale version is **70.0345, 73.6817, 80.2394**.

A 20% lighter version of the original color is **90.7093, 97.8901, 102.9207**, and **32.7046, 43.3522, 30.3110** is the 20% darker color. If you saturate the color by 10%, you get **55.3496, 76.6497, 48.5654**, and if you desaturate by 10%, it is **72.8051, 85.0438, 76.6923**.

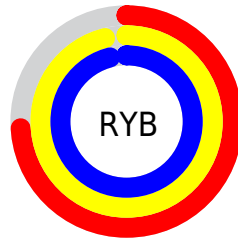
# Distribution



Red (74%)

Green (96%)

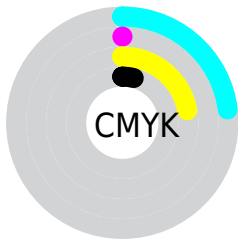
Blue (75%)



Red (74%)

Yellow (96%)

Blue (96%)

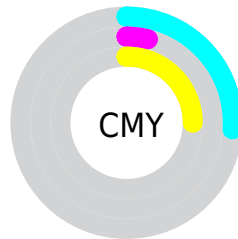


Cyan (23%)

Magenta (0%)

Yellow (22%)

Black (4%)



Cyan (26%)

Magenta (4%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3460, 80.4919, 61.4880 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 63.3460, 80.4919, 61.4880 by changing the saturation by 10% instead.





 63.3460, 80.4919,  
61.4880

 63.3460, 80.4919,  
61.4880


426.4638,  
496.5890, 448.0170

 46.3809, 60.1232,  
44.1860


 108.7475,  
134.0571, 108.5496

 32.7524, 43.5180,  
30.4785


137.9147,  
168.0224, 139.1463

 22.0951, 30.2917,  
19.9469


171.8798,  
207.2887, 175.0117

 14.0438, 20.0601,  
12.1728


211.0084,  
252.2404, 216.5642

 8.2331, 12.4388,  
6.7375

255.6658,  
303.2619, 264.2224

 4.2975, 7.0432,  
3.2225

306.2172,

 1.8718, 3.4891,

360.7376, 318.4050

1.2094

363.0281,  
425.0518, 379.5303

■ 0.5604, 1.3921,  
0.0000

■ 0.0000, 0.2109,  
0.0000

■ 63.3460, 80.4919,  
61.4880

■ 63.3460, 80.4919,  
61.4880

■ 55.3496, 76.6497,  
48.5654

■ 72.8051, 85.0438,  
76.6923

■ 48.7370, 73.4720,  
37.8096

■ 83.7879, 90.3279,  
94.2752

■ 43.4313, 70.9240,  
29.1035

■ 92.2473, 94.3946,  
107.9658

■ 39.3461, 68.9640,  
22.3169

■ 36.3841, 67.5449,  
17.3050

■ 34.4333, 66.6125,  
13.9021

■ 33.3587, 66.1015,  
11.9115

■ 33.0046, 65.9336,  
11.2349

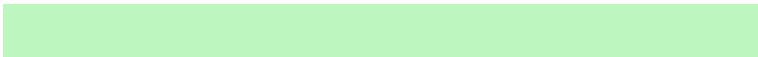
# Harmonies

## Analogous

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



69.7115, 80.4919, 49.6214



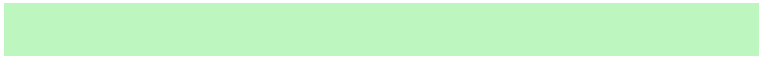
63.3460, 80.4919, 61.4880



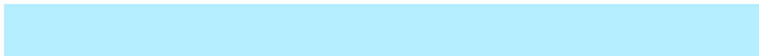
60.5319, 80.4919, 82.4178

# Triad

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



63.3460, 80.4919, 61.4880



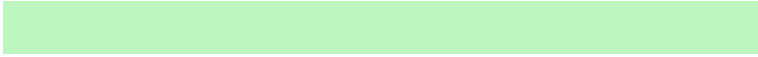
74.6585, 80.4919, 146.8483



93.4827, 80.4919, 69.0713

# Complementary

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



63.3460, 80.4919, 61.4880



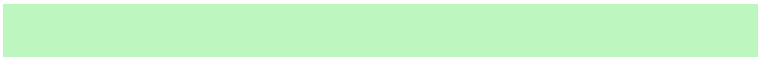
72.5355, 62.5215, 93.8363

# 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.



95.0668, 80.4919, 93.0825



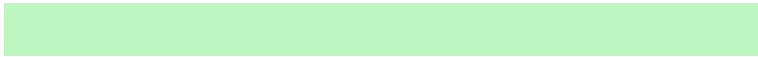
63.3460, 80.4919, 61.4880



83.7264, 80.4919, 141.3501

# Square

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



63.3460, 80.4919, 61.4880



66.7246, 80.4919, 134.1437



91.3710, 80.4919, 120.3251

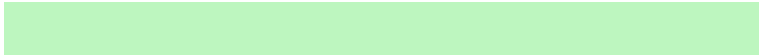


87.1976, 80.4919, 53.3605



# Rectangle

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



63.3460, 80.4919, 61.4880



60.8770, 80.4919, 100.0581



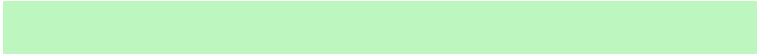
91.3710, 80.4919, 120.3251



94.6022, 80.4919, 76.2980

# Sweetspot

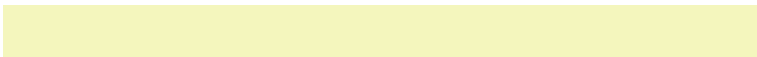
The Sweet Spot groups the original color and five complimentary colors.



63.3481, 80.4953, 61.4898



86.1349, 95.7103, 94.6510



79.4874, 88.8407, 61.1035



18.2803, 20.4108, 20.0094



0.0000, 0.0000, 0.0000

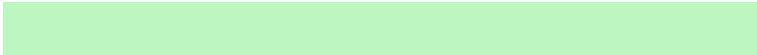


20.3446, 21.4041, 23.3091

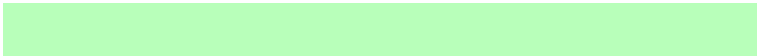


# Same Dimension

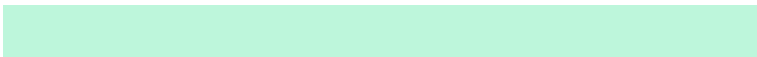
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3481, 80.4953, 61.4898



64.3057, 85.2107, 59.5715



66.7833, 81.8694, 79.5791



16.3058, 18.4814, 17.6286



17.6263, 35.1954, 6.0520



1.5573, 3.0966, 0.5747



# Inverse Universe

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



72.5355, 62.5215, 93.8363



75.9466, 62.4347, 100.5547



68.5491, 60.9269, 72.8442



17.1870, 16.7577, 20.7314



28.4854, 13.7376, 44.1258

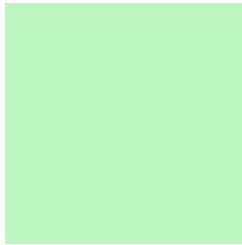


2.5113, 1.2105, 3.9190



# Previews

## White Background



This preview shows how the XYZ color 63.3460, 80.4919, 61.4880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

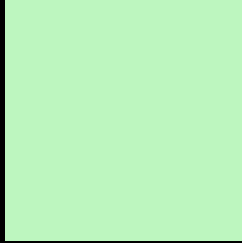
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3460, 80.4919, 61.4880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

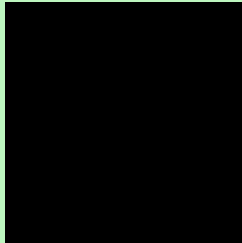
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.3460, 80.4919, 61.4880**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.3460, 80.4919, 61.4880.



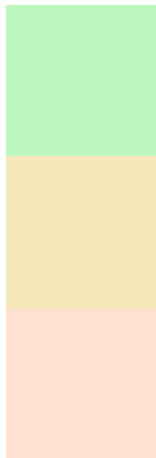
This preview shows how white text looks on a background with the XYZ color 63.3460, 80.4919,

61.4880.

# 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

63.3460, 80.4919, 61.4880

### Protanopia

75.2337, 80.2053, 56.8633

### Deuteranopia

79.5504, 79.6645, 70.8585



## Tritanopia

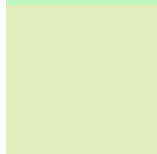
72.6913, 80.3449, 106.2846

# Trichromacy



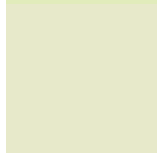
## Original Color

63.3460, 80.4919, 61.4880



## Protanomaly

70.0164, 79.5863, 58.6851



## Deuteranomaly

72.7546, 79.5310, 67.3936



## Tritanomaly

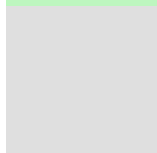
68.7515, 80.0167, 88.1651

# Monochromacy



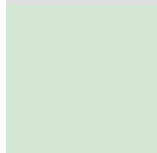
## Original Color

63.3460, 80.4919, 61.4880



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

67.1978, 75.7039, 72.6986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3460, 80.4919, 61.4880 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(189, 246, 191)` looks like.

```
.text, #text, p{  
    color:rgb(189, 246, 191)  
}
```

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(189, 246, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 246, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3460, 80.4919, 61.4880 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(189, 246, 191) }
```



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

```
.border{ border-color:rgb(189, 246, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 246, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 246, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 246, 191);  
box-shadow:4px 4px 4px 4px rgb(189, 246,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3460, 80.4919, 61.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 246, 191) }
```

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

```
.background{ background-color: rgb(189,  
246, 191) }
```

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