

# Converting Colors

XYZ(61.6248, 77.8961, 65.6682)

Have a look what the booklet for  
XYZ(61.6248, 77.8961, 65.6682)  
contains.

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# Color

**XYZ(61.5894, 77.6951,  
65.7834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F2C7
RGB	183, 242, 199
RGB Percent	72%, 95%, 78%
CMY	0.2823, 0.0510, 0.2196
CMYK	0.24, 0.00, 0.18, 0.05
HSL	136°, 69%, 83%
HSV	136°, 24%, 95%
XYZ	61.5894, 77.6951, 65.7834
YIQ	219.4570, -21.3610, -25.8810

# Conversions

## Conversions Part 2

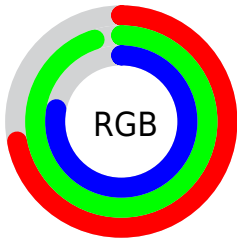
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 229, 242
Decimal	12055239
CIE <sub>Lab</sub>	90.64, -26.99, 14.79
CIE <sub>LCh</sub>	91, 30.771, 151.279
Yxy	77.6951, 0.3003, 0.3789
Android (android.graphics.Color)	4290245319 (0xFFB7F2C7)
YUV	219.4570, -10.0853, -31.9728
Hunter-Lab	88.1448, -29.5302, 17.4526

# Details

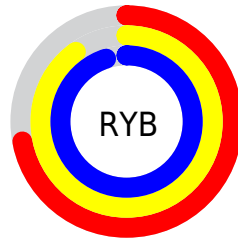
The XYZ color **61.5894, 77.6951, 65.7834** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.2816, 58.2370, 79.6496**, and the grayscale version is **67.7296, 71.2569, 77.5987**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **31.7230, 41.8293, 33.1899** is the 20% darker color. If you saturate the color by 10%, you get **54.3902, 74.2090, 55.3693**, and if you desaturate by 10%, it is **70.0199, 81.7928, 77.4975**.

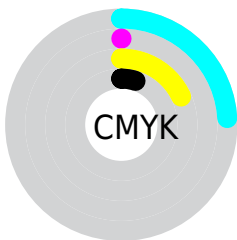
# Distribution



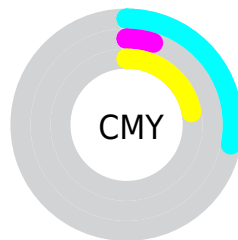
- Red (72%)
- Green (95%)
- Blue (78%)



- Red (72%)
- Yellow (90%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)




- Cyan (28%)
- Magenta (5%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5894, 77.6951, 65.7834 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 61.5894, 77.6951, 65.7834 by changing the saturation by 10% instead.





 61.5894, 77.6951,  
65.7834

 61.5894, 77.6951,  
65.7834


420.1732,  
487.1307, 463.9849

 44.9554, 57.8235,  
47.6412


 106.2252,  
130.1202, 114.7994

 31.6234, 41.6668,  
33.1849


134.9576,  
163.4426, 146.5104

 21.2282, 28.8405,  
21.9958


168.4535,  
202.0173, 183.5813

 13.4043, 18.9602,  
13.6556

207.0783,  
246.2289, 226.4308

 7.7864, 11.6415,  
7.7455

251.1973,  
296.4616, 275.4773

 4.0093, 6.5001,  
3.8471


301.1759,


 1.7074, 3.1515,


353.0999, 331.1395


1.5418


357.3794,  
416.5281, 393.8359


 0.4609, 1.2113,  
0.2488

 0.0000, 0.0709,  
0.0000


 61.5894, 77.6951,  
65.7834


 61.5894, 77.6951,  
65.7834


 54.3902, 74.2090,  
55.3693


 70.0199, 81.7928,  
77.4975


 48.3573, 71.2955,  
46.2052

 79.7300, 86.5198,  
90.5491

 43.4291, 68.9261,  
38.2453

 90.5510, 91.7902,  
104.9701

 39.5358, 67.0656,  
31.4391

 91.0436, 91.9873,  
107.5645

■ 36.5991, 65.6749,  
25.7325

■ 34.5291, 64.7089,  
21.0668

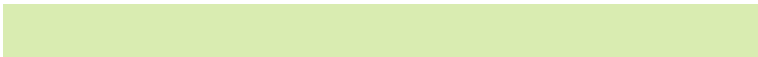
■ 33.2170, 64.1128,  
17.3777

■ 32.7260, 63.8962,  
15.7050

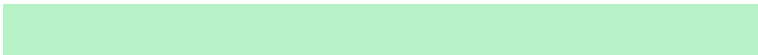
# Harmonies

## Analogous

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



66.4113, 77.6951, 53.2409



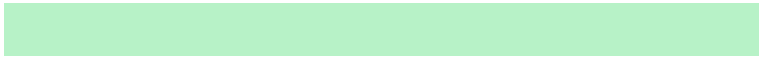
61.5894, 77.6951, 65.7834



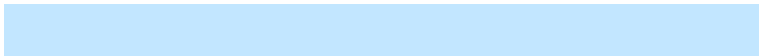
59.9900, 77.6951, 85.5482

# Triad

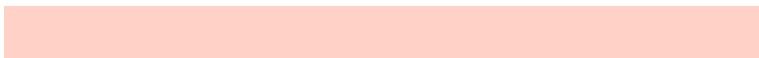
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.5894, 77.6951, 65.7834



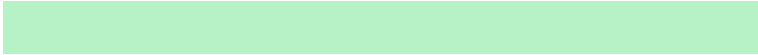
74.1783, 77.6951, 134.5614



87.2610, 77.6951, 64.4048

# Complementary

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



61.5894, 77.6951, 65.7834



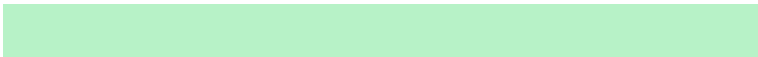
67.2816, 58.2370, 79.6496

# 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.



89.6884, 77.6951, 83.6524



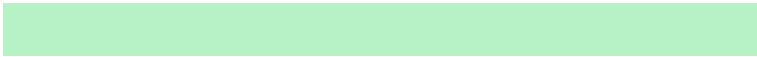
61.5894, 77.6951, 65.7834



81.8177, 77.6951, 126.3371

# Square

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



61.5894, 77.6951, 65.7834



66.9468, 77.6951, 127.5795



87.6314, 77.6951, 106.6932

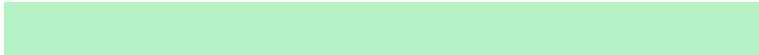


81.2055, 77.6951, 52.5478



# Rectangle

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



61.5894, 77.6951, 65.7834



60.8713, 77.6951, 100.9660



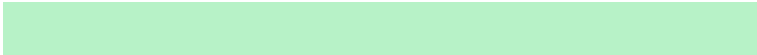
87.6314, 77.6951, 106.6932



88.5465, 77.6951, 70.0999

# Sweetspot

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



61.5915, 77.6984, 65.7851



86.7607, 95.9606, 97.9464



71.7501, 83.1388, 57.0664



18.4248, 20.4686, 20.7701



0.0000, 0.0000, 0.0000

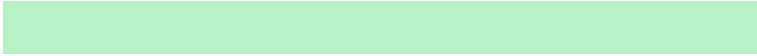


20.3446, 21.4041, 23.3091

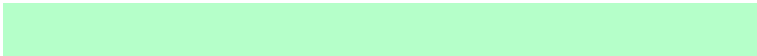


# Same Dimension

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



61.5915, 77.6984, 65.7851



65.3826, 85.5717, 68.3932



65.3191, 79.1894, 85.4142



15.7420, 17.7268, 17.6641



17.6287, 34.3435, 8.6935



1.5068, 2.8732, 0.9351



# Inverse Universe

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



67.2816, 58.2370, 79.6496



72.7617, 60.3231, 86.3653



63.6051, 56.7664, 60.2894



16.2607, 15.9540, 18.9290



23.9614, 11.8570, 23.5112

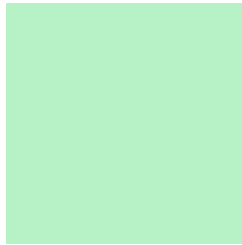


2.0348, 1.0029, 2.1738



# Previews

## White Background



This preview shows how the XYZ color 61.5894, 77.6951, 65.7834 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

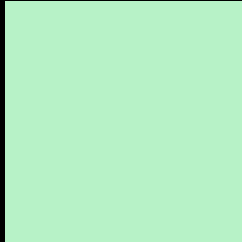
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5894, 77.6951, 65.7834 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

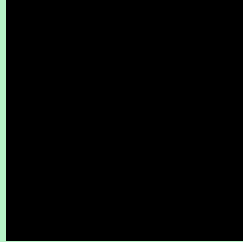
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.5894, 77.6951, 65.7834

## Background



This preview shows how black text looks on a background with the XYZ color 61.5894, 77.6951, 65.7834.



This preview shows how white text looks on a background with the XYZ color 61.5894, 77.6951,

65.7834.

# 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

61.5894, 77.6951, 65.7834

### Protanopia

72.8082, 77.2250, 60.3587

### Deuteranopia

77.9738, 76.9026, 69.1266



## Tritanopia

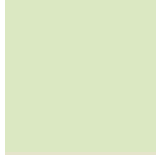
69.1448, 77.2749, 104.1997

# Trichromacy



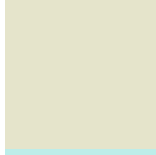
## Original Color

61.5894, 77.6951, 65.7834



## Protanomaly

67.8076, 76.6683, 62.2636



## Deuteranomaly

70.8360, 76.4566, 67.5241



## Tritanomaly

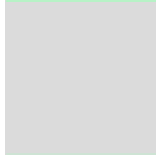
65.9784, 77.2704, 88.5280

# Monochromacy



## Original Color

61.5894, 77.6951, 65.7834



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

64.8063, 72.8134, 72.9261

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5894, 77.6951, 65.7834 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(183, 242, 199)` looks like.

```
.text, #text, p{  
    color:rgb(183, 242, 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(183, 242, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 242, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5894, 77.6951, 65.7834 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(183, 242, 199) }
```



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

```
.border{ border-color:rgb(183, 242, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 242, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 242, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 242, 199);  
box-shadow:4px 4px 4px 4px rgb(183, 242,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5894, 77.6951, 65.7834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 242, 199) }
```

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

```
.background{ background-color: rgb(183,  
242, 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](#).

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