

# Converting Colors

XYZ(60.5588, 78.0374, 54.4366)

Have a look what the booklet for  
XYZ(60.5588, 78.0374, 54.4366)  
contains.

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# Color

**XYZ(60.4370, 77.7950,  
54.4784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAF3B3
RGB	186, 243, 179
RGB Percent	73%, 95%, 70%
CMY	0.2706, 0.0470, 0.2980
CMYK	0.23, 0.00, 0.26, 0.05
HSL	113°, 73%, 83%
HSV	113°, 26%, 95%
XYZ	60.4370, 77.7950, 54.4784
YIQ	218.6610, -13.4280, -31.9880

# Conversions

## Conversions Part 2

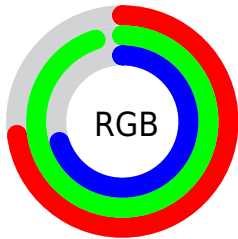
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 243, 236
Decimal	12252083
CIELab	90.69, -29.90, 25.17
CIElCh	91, 39.079, 139.912
Yxy	77.7950, 0.3136, 0.4037
Android (android.graphics.Color)	4290442163 (0xFFBAF3B3)
YUV	218.6610, -19.5529, -28.6437
Hunter-Lab	88.2015, -32.0416, 25.1201

# Details

The XYZ color **60.4370, 77.7950, 54.4784** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.8932, 56.5464, 92.1871**, and the grayscale version is **67.2366, 70.7381, 77.0338**.

A 20% lighter version of the original color is **87.7175, 96.5728, 92.6145**, and **31.0519, 41.9525, 26.1997** is the 20% darker color. If you saturate the color by 10%, you get **53.3273, 74.3915, 42.4275**, and if you desaturate by 10%, it is **68.7803, 81.7890, 68.8510**.

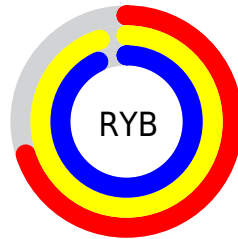
# Distribution



Red (73%)

Green (95%)

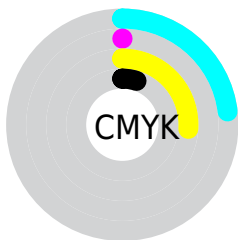
Blue (70%)



Red (70%)

Yellow (95%)

Blue (93%)

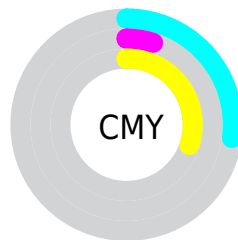


Cyan (23%)

Magenta (0%)

Yellow (26%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4370, 77.7950, 54.4784 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 60.4370, 77.7950, 54.4784 by changing the saturation by 10% instead.



60.4370, 77.7950,  
54.4784

60.4370, 77.7950,  
54.4784

416.0156,  
487.4703, 421.1578

44.0218, 57.9056,  
38.5885

104.5661,  
130.2611, 98.2398

30.8856, 41.7328,  
26.1344

133.0106,  
163.6066, 126.9483

20.6632, 28.8921,  
16.6975

166.1957,  
202.2062, 160.7668

12.9891, 18.9992,  
9.8594

204.4866,  
246.4444, 200.1139

7.4980, 11.6697,  
5.2015

248.2486,  
296.7055, 245.4079

3.8245, 6.5192,  
2.3051


297.8473,


1.6033, 3.1633,


353.3739, 297.0676


0.7341


353.6478,  
416.8341, 355.5113


 0.3946, 1.2176,  
0.0000


 0.0000, 0.0760,  
0.0000

 60.4370, 77.7950,  
54.4784


 60.4370, 77.7950,  
54.4784


 53.3273, 74.3915,  
42.4275


 68.7803, 81.7890,  
68.8510


 47.3868, 71.5410,  
32.5718

 78.4056, 86.3891,  
85.6527

 42.5541, 69.2171,  
24.7805

 89.3663, 91.6229,  
104.9904

 38.7601, 67.3873,  
18.9070

 91.3422, 92.5843,  
107.6641

■ 35.9275, 66.0154,  
14.7852

■ 33.9683, 65.0601,  
12.2210

■ 32.7772, 64.4724,  
10.9724

■ 32.4929, 64.3315,  
10.7047

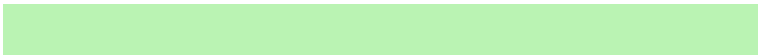
# Harmonies

## Analogous

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



67.7057, 77.7950, 43.4092



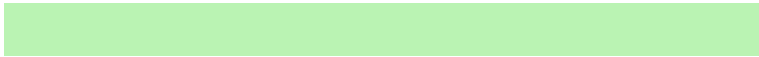
60.4370, 77.7950, 54.4784



56.8916, 77.7950, 75.5962

# Triad

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



60.4370, 77.7950, 54.4784



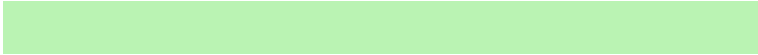
70.6886, 77.7950, 149.7526



93.1200, 77.7950, 67.6169

# Complementary

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



60.4370, 77.7950, 54.4784



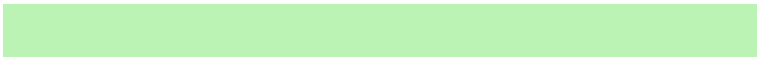
66.8932, 56.5464, 92.1871

# 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.



94.0977, 77.7950, 94.5188



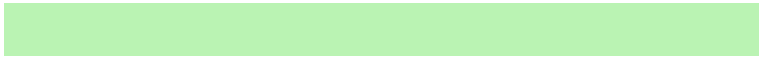
60.4370, 77.7950, 54.4784



80.5496, 77.7950, 146.2813

# Square

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



60.4370, 77.7950, 54.4784



62.4545, 77.7950, 133.0868



89.3220, 77.7950, 124.4459

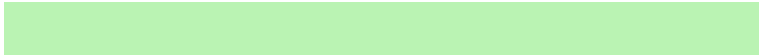


86.7578, 77.7950, 49.7513



# Rectangle

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



60.4370, 77.7950, 54.4784



56.8832, 77.7950, 94.3425



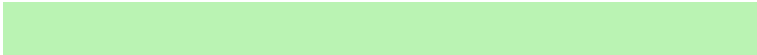
89.3220, 77.7950, 124.4459



94.1096, 77.7950, 75.7482

# Sweetspot

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



60.4390, 77.7983, 54.4801



85.5662, 95.4705, 92.2124



74.9635, 82.0357, 54.5325



17.9559, 20.2632, 19.1091



0.0000, 0.0000, 0.0000

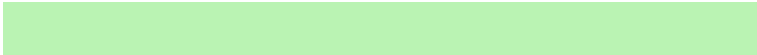


20.3446, 21.4041, 23.3091

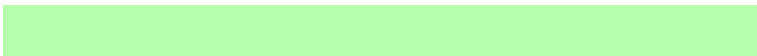


# Same Dimension

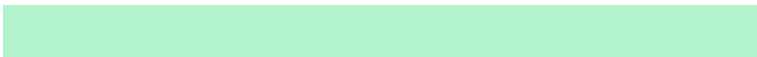
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.4390, 77.7983, 54.4801



62.7094, 84.5371, 52.7506



61.4867, 78.0257, 68.6556



16.4504, 18.5587, 17.5127



17.8863, 35.3335, 5.8774



1.6263, 3.1335, 0.5191



# Inverse Universe

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



66.8932, 56.5464, 92.1871



71.1034, 56.8675, 101.8367



65.8011, 56.3833, 74.0681



17.0247, 16.6709, 20.8631



24.5616, 11.6363, 47.4895

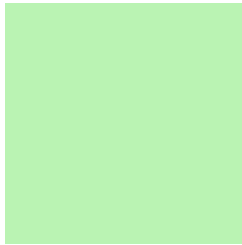


2.2087, 1.0485, 4.1762



# Previews

## White Background



This preview shows how the XYZ color 60.4370, 77.7950, 54.4784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

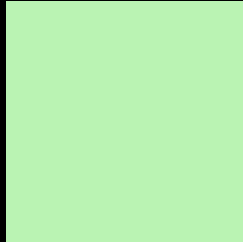
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.4370, 77.7950, 54.4784 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 60.4370, 77.7950, 54.4784

## Background



This preview shows how black text looks on a background with the XYZ color 60.4370, 77.7950, 54.4784.



This preview shows how white text looks on a background with the XYZ color 60.4370, 77.7950,

54.4784.

# 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

60.4370, 77.7950, 54.4784

### Protanopia

72.2237, 77.1498, 50.1145

### Deuteranopia

77.1745, 77.0041, 63.6191



## Tritanopia

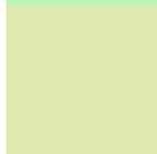
69.9983, 77.3119, 103.3288

# Trichromacy



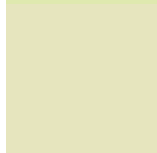
## Original Color

60.4370, 77.7950, 54.4784



## Protanomaly

67.3082, 77.0609, 51.8842



## Deuteranomaly

69.9467, 76.5793, 59.8099



## Tritanomaly

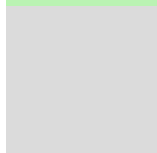
66.1229, 77.4740, 82.7031

# Monochromacy



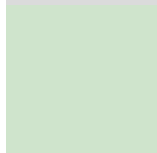
## Original Color

60.4370, 77.7950, 54.4784



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

64.3746, 73.1118, 67.8458

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4370, 77.7950, 54.4784 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(186, 243, 179)` looks like.

```
.text, #text, p{  
    color:rgb(186, 243, 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(186, 243, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 243, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4370, 77.7950, 54.4784 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(186, 243, 179) }
```



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

```
.border{ border-color:rgb(186, 243, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 243, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 243, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 243, 179);  
box-shadow:4px 4px 4px 4px rgb(186, 243,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4370, 77.7950, 54.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 243, 179) }
```

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

```
.background{ background-color: rgb(186,  
243, 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](#).

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