

# Converting Colors

XYZ(60.4232, 77.3779, 53.3465)

Have a look what the booklet for  
XYZ(60.4232, 77.3779, 53.3465)  
contains.

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# Color

**XYZ(60.4270, 77.3700,  
53.3440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCF2B1
RGB	188, 242, 177
RGB Percent	74%, 95%, 69%
CMY	0.2627, 0.0510, 0.3059
CMYK	0.22, 0.00, 0.27, 0.05
HSL	110°, 71%, 82%
HSV	110°, 27%, 95%
XYZ	60.4270, 77.3700, 53.3440
YIQ	218.4440, -11.3190, -31.6630

# Conversions

## Conversions Part 2

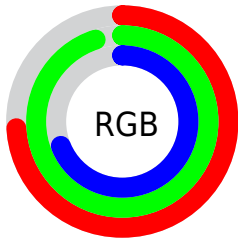
Format	Color
<a href="#">RYB</a>	<a href="#">177, 242, 231</a>
Decimal	<a href="#">12382897</a>
CIELab	<a href="#">90.49, -29.08, 25.94</a>
CIELCh	<a href="#">90, 38.970, 138.269</a>
Yxy	<a href="#">77.3700, 0.3161, 0.4048</a>
Android (android.graphics.Color)	<a href="#">4290572977</a> ( <a href="#">0xFFBCF2B1</a> )
YUV	<a href="#">218.4440, -20.4319, -26.6994</a>
Hunter-Lab	<a href="#">87.9602, -31.3043, 25.6154</a>

# Details

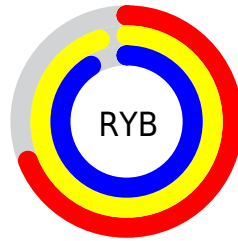
The XYZ color **60.4270, 77.3700, 53.3440** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.7074, 54.8462, 91.1845**, and the grayscale version is **67.0912, 70.5852, 76.8672**.

A 20% lighter version of the original color is **88.1242, 96.8157, 91.1334**, and **31.0285, 41.6414, 25.4710** is the 20% darker color. If you saturate the color by 10%, you get **53.6133, 74.1141, 41.5309**, and if you desaturate by 10%, it is **68.3626, 81.1594, 67.4457**.

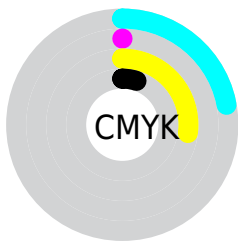
# Distribution



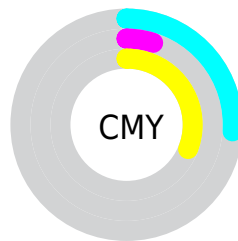
- Red (74%)
- Green (95%)
- Blue (69%)



- Red (69%)
- Yellow (95%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (27%)
- Black (5%)




- Cyan (26%)
- Magenta (5%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4270, 77.3700, 53.3440 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 60.4270, 77.3700, 53.3440 by changing the saturation by 10% instead.





 60.4270, 77.3700,  
53.3440

 60.4270, 77.3700,  
53.3440

415.9795,  
486.0246, 416.7072

 44.0137, 57.5566,  
37.6879


 104.5517,  
129.6616, 96.5570

 30.8792, 41.4523,  
25.4406


132.9937,  
162.9087, 124.9510

 20.6583, 28.6727,  
16.1836


166.1760,  
201.4024, 158.4280

 12.9855, 18.8333,  
9.4984

204.4640,  
245.5271, 197.4066

 7.4955, 11.5499,  
4.9664

248.2230,  
295.6673, 242.3052

 3.8229, 6.4380,  
2.1692


297.8183,


 1.6024, 3.1132,


352.2074, 293.5425


0.6565


353.6154,  
415.5317, 351.5370


 0.3940, 1.1911,  
0.0000


 0.0000, 0.0544,  
0.0000

 60.4270, 77.3700,  
53.3440


 60.4270, 77.3700,  
53.3440

 53.6133, 74.1141,  
41.5309


 68.3626, 81.1594,  
67.4457


 47.8644, 71.3581,  
31.8809

 77.4617, 85.4944,  
83.9423

 43.1274, 69.0798,  
24.2643

 87.7712, 90.3993,  
102.9398

 39.3422, 67.2513,  
18.5355

 91.0437, 91.9874,  
107.5646

■ 36.4423, 65.8420,  
14.5294

■ 34.3517, 64.8169,  
12.0526

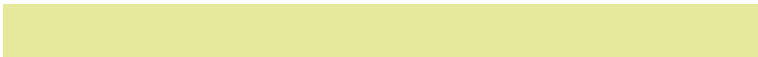
■ 32.9797, 64.1346,  
10.8592

■ 32.6661, 63.9778,  
10.6273

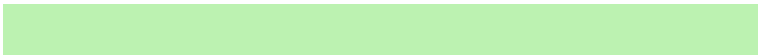
# Harmonies

## Analogous

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



67.8213, 77.3700, 42.8819



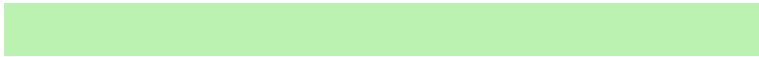
60.4270, 77.3700, 53.3440



56.6812, 77.3700, 73.8002

# Triad

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



60.4270, 77.3700, 53.3440



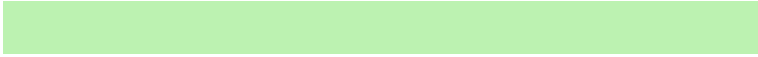
69.7950, 77.3700, 148.4346



92.7963, 77.3700, 68.5215

# Complementary

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



60.4270, 77.3700, 53.3440



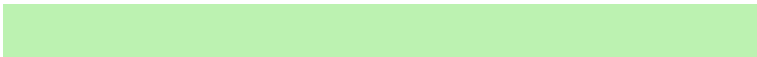
64.7074, 54.8462, 91.1845

# 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.



93.4434, 77.3700, 95.6267



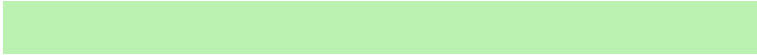
60.4270, 77.3700, 53.3440



79.5669, 77.3700, 146.1368

# Square

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



60.4270, 77.3700, 53.3440



61.7617, 77.3700, 130.9497



88.4200, 77.3700, 125.2307

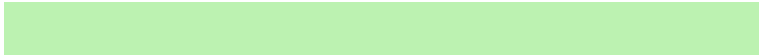


86.7231, 77.3700, 50.2175



# Rectangle

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



60.4270, 77.3700, 53.3440



56.5162, 77.3700, 92.1952



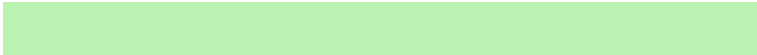
88.4200, 77.3700, 125.2307



93.6741, 77.3700, 76.7613

# Sweetspot

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



60.4290, 77.3733, 53.3457



85.9749, 95.6812, 92.2316



72.8771, 78.6952, 52.9448



18.0579, 20.3158, 19.1139



0.0000, 0.0000, 0.0000

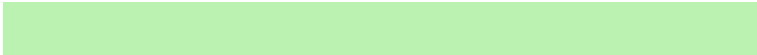


20.3446, 21.4041, 23.3091

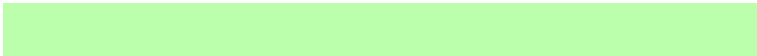


# Same Dimension

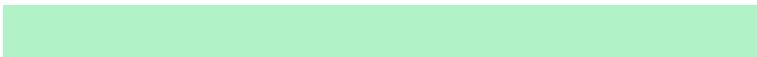
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.4290, 77.3733, 53.3457



63.8858, 85.1436, 52.8056



60.0311, 76.9129, 64.8581



15.8151, 17.7849, 16.7490



17.6246, 34.4074, 5.7124



1.5378, 2.8993, 0.4786



# Inverse Universe

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



64.7074, 54.8462, 91.1845



69.4119, 55.9955, 101.7576



65.4496, 55.5662, 75.9768



16.1765, 15.8882, 19.9357



21.6589, 10.1710, 45.9495

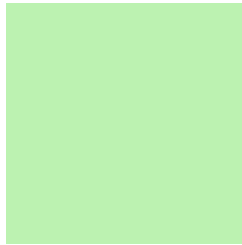


1.8705, 0.8816, 3.8258



# Previews

## White Background



This preview shows how the XYZ color 60.4270, 77.3700, 53.3440 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 60.4270, 77.3700, 53.3440 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

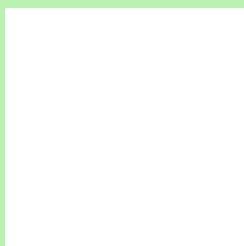
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.4270, 77.3700, 53.3440**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.4270, 77.3700, 53.3440.



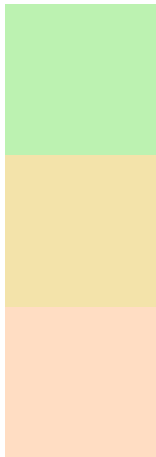
This preview shows how white text looks on a background with the XYZ color 60.4270, 77.3700,

53.3440.

# 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

60.4270, 77.3700, 53.3440

### Protanopia

71.6869, 76.8951, 49.0941

### Deuteranopia

76.9468, 76.9130, 62.4199



## **Tritanopia**

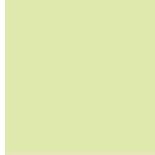
70.0886, 76.9576, 102.4270

# Trichromacy



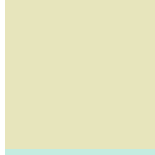
## Original Color

60.4270, 77.3700, 53.3440



## Protanomaly

66.8309, 76.4183, 50.7630



## Deuteranomaly

70.0514, 76.6584, 58.6814



## Tritanomaly

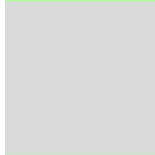
66.2149, 77.1085, 81.9145

# Monochromacy



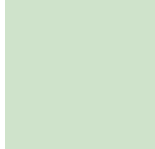
## Original Color

60.4270, 77.3700, 53.3440



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.9807, 72.5154, 67.1246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4270, 77.3700, 53.3440 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(188, 242, 177)` looks like.

```
.text, #text, p{  
    color:rgb(188, 242, 177)  
}
```

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(188, 242, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 242, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4270, 77.3700, 53.3440 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(188, 242, 177) }
```



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

```
.border{ border-color:rgb(188, 242, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 242, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 242, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 242, 177);  
box-shadow:4px 4px 4px 4px rgb(188, 242,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4270, 77.3700, 53.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 242, 177) }
```

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

```
.background{ background-color: rgb(188,  
242, 177) }
```

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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