

# Converting Colors

XYZ(53.3549, 67.7824, 51.8634)

Have a look what the booklet for  
XYZ(53.3549, 67.7824, 51.8634)  
contains.

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# Color

**XYZ(53.3584, 67.7751,  
51.8646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">AFE4B1</a>
RGB	<a href="#">175, 228, 177</a>
RGB Percent	<a href="#">69%, 89%, 69%</a>
CMY	<a href="#">0.3137, 0.1059, 0.3059</a>
CMYK	<a href="#">0.23, 0.00, 0.22, 0.11</a>
HSL	<a href="#">122°, 50%, 79%</a>
HSV	<a href="#">122°, 23%, 89%</a>
XYZ	<a href="#">53.3584, 67.7751, 51.8646</a>
YIQ	<a href="#">206.3390, -15.2170, -27.0970</a>

# Conversions

## Conversions Part 2

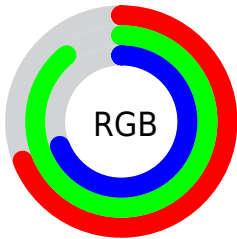
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 226, 228
Decimal	11527345
CIELab	85.89, -26.73, 19.48
CIELCh	86, 33.076, 143.909
Yxy	67.7751, 0.3084, 0.3918
Android (android.graphics.Color)	4289717425 (0xFFAFE4B1)
YUV	206.3390, -14.4641, -27.4843
Hunter-Lab	82.3256, -28.3772, 20.2756

# Details

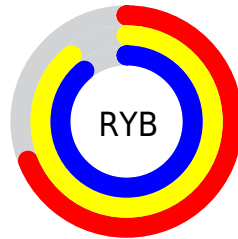
The XYZ color **53.3584, 67.7751, 51.8646** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **61.0547, 52.6464, 78.8982**, and the grayscale version is **58.9817, 62.0534, 67.5761**.

A 20% lighter version of the original color is **83.4230, 94.3921, 90.9134**, and **26.2758, 35.0252, 24.4444** is the 20% darker color. If you saturate the color by 10%, you get **46.6528, 64.5529, 41.0389**, and if you desaturate by 10%, it is **61.2832, 71.5891, 64.5855**.

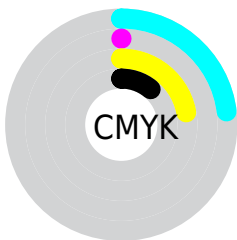
# Distribution



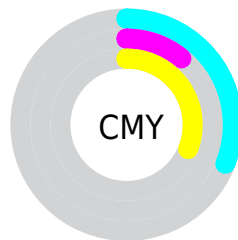
- Red (69%)
- Green (89%)
- Blue (69%)



- Red (69%)
- Yellow (89%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3584, 67.7751, 51.8646 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 53.3584, 67.7751, 51.8646 by changing the saturation by 10% instead.



■ 53.3584, 67.7751,  
51.8646

■ 53.3584, 67.7751,  
51.8646

389.8970,  
452.6988, 410.8557

■ 38.3176, 49.7148,  
36.5157

■ 94.2940, 116.0303,  
94.3561

■ 26.4076, 35.1868,  
24.5399

120.9194,  
146.9941, 122.3357

■ 17.2631, 23.8068,  
15.5187

152.1371,  
183.0277, 155.3626

■ 10.5187, 15.1904,  
9.0336

188.3125,  
224.5157, 193.8554

■ 5.8091, 8.9531,  
4.6660

229.8108,  
271.8424, 238.2325

■ 2.7689, 4.7106,  
1.9974


276.9974,

■ 1.0328, 2.0785,


325.3922, 288.9126


0.5536


330.2377,  
385.5496, 346.3142


 0.0000, 0.6525,  
0.0000


 0.0000, 0.0000,  
0.0000

 53.3584, 67.7751,  
51.8646


 53.3584, 67.7751,  
51.8646


 46.6528, 64.5529,  
41.0389


 61.2832, 71.5891,  
64.5855


 41.1010, 61.8848,  
32.0134

 70.4779, 76.0134,  
79.2814

 36.6394, 59.7422,  
24.6920

 80.9967, 81.0761,  
96.0329

 33.1963, 58.0904,  
18.9677

 87.0347, 83.9695,  
106.2282

■ 30.6914, 56.8904,  
14.7214

■ 29.0321, 56.0976,  
11.8172

■ 28.1072, 55.6580,  
10.0947

■ 27.7919, 55.5083,  
9.4966

# Harmonies

## Analogous

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



58.6977, 67.7751, 41.8727



53.3584, 67.7751, 51.8646



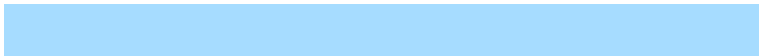
51.0029, 67.7751, 69.4608

# Triad

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



53.3584, 67.7751, 51.8646



62.8863, 67.7751, 123.4860



78.6605, 67.7751, 58.1585

# Complementary

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



53.3584, 67.7751, 51.8646



61.0547, 52.6464, 78.8982

# 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.



80.0010, 67.7751, 78.3071



53.3584, 67.7751, 51.8646



70.4987, 67.7751, 118.8358

# Square

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



53.3584, 67.7751, 51.8646



56.2196, 67.7751, 112.8628



76.9095, 67.7751, 101.1728



73.3775, 67.7751, 44.9776



# Rectangle

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



53.3584, 67.7751, 51.8646



51.2984, 67.7751, 84.2757



76.9095, 67.7751, 101.1728



79.6035, 67.7751, 64.2224

# Sweetspot

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



53.3602, 67.7780, 51.8661



86.1419, 95.7131, 94.6876



66.9215, 74.7919, 51.4672



18.2819, 20.4115, 20.0178



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

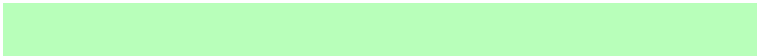


# Same Dimension

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



53.3602, 67.7780, 51.8661



64.3258, 85.2188, 59.6777



56.2359, 68.9282, 67.0092



14.2113, 16.0979, 15.3773



16.0570, 32.0549, 5.5344



1.1944, 2.3719, 0.4502



# Inverse Universe

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



61.0547, 52.6464, 78.8982



75.9165, 62.4226, 100.3963



57.7212, 51.3130, 61.3442



14.9704, 14.6053, 18.0444



25.8986, 12.4936, 39.9563



1.9212, 0.9262, 2.9915



# Previews

## White Background



This preview shows how the XYZ color 53.3584, 67.7751, 51.8646 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 53.3584, 67.7751, 51.8646 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

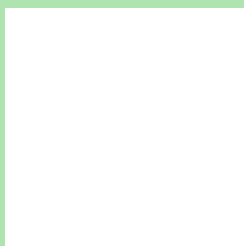
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.3584, 67.7751, 51.8646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3584, 67.7751, 51.8646.



This preview shows how white text looks on a background with the XYZ color 53.3584, 67.7751,



# 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

53.3584, 67.7751, 51.8646

### Protanopia

63.2972, 67.4894, 47.7208

### Deuteranopia

68.5208, 67.1128, 53.5986



## Tritanopia

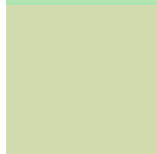
61.1290, 67.7399, 89.9740

# Trichromacy



## Original Color

53.3584, 67.7751, 51.8646



## Protanomaly

59.1688, 67.2355, 49.3944



## Deuteranomaly

61.8000, 66.6041, 52.7787



## Tritanomaly

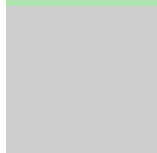
57.9448, 67.6267, 74.2892

# Monochromacy



## Original Color

53.3584, 67.7751, 51.8646



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

56.4026, 63.6354, 60.9399

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3584, 67.7751, 51.8646 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(175, 228, 177)` looks like.

```
.text, #text, p{  
    color:rgb(175, 228, 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(175, 228, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 228, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3584, 67.7751, 51.8646 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(175, 228, 177) }
```



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

```
.border{ border-color:rgb(175, 228, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 228, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 228, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 228, 177);  
box-shadow:4px 4px 4px 4px rgb(175, 228,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3584, 67.7751, 51.8646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 228, 177) }
```

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

```
.background{ background-color: rgb(175,  
228, 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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