

# Converting Colors

XYZ(56.2731, 74.4913, 48.4131)

Have a look what the booklet for  
XYZ(56.2731, 74.4913, 48.4131)  
contains.

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# Color

**XYZ(56.3594, 74.4944,  
48.4542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F0A8
RGB	177, 240, 168
RGB Percent	69%, 94%, 66%
CMY	0.3059, 0.0588, 0.3412
CMYK	0.26, 0.00, 0.30, 0.06
HSL	113°, 71%, 80%
HSV	113°, 30%, 94%
XYZ	56.3594, 74.4944, 48.4542
YIQ	212.9550, -14.4360, -35.7480

# Conversions

## Conversions Part 2

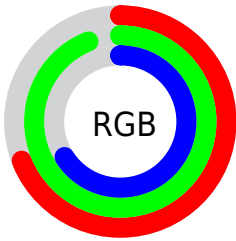
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 240, 231
Decimal	11661480
CIELab	89.16, -33.20, 28.61
CIELCh	89, 43.823, 139.244
Yxy	74.4944, 0.3143, 0.4155
Android (android.graphics.Color)	4289851560 (0xFFB1F0A8)
YUV	212.9550, -22.1628, -31.5325
Hunter-Lab	86.3101, -34.4846, 27.1319

# Details

The XYZ color **56.3594, 74.4944, 48.4542** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.6890, 51.2877, 89.0374**, and the grayscale version is **63.3678, 66.6679, 72.6013**.

A 20% lighter version of the original color is **83.1462, 94.3942, 84.3586**, and **28.4034, 39.7297, 22.3912** is the 20% darker color. If you saturate the color by 10%, you get **49.9060, 71.4047, 37.5385**, and if you desaturate by 10%, it is **63.9655, 78.1350, 61.5810**.

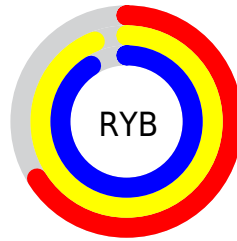
# Distribution



Red (69%)

Green (94%)

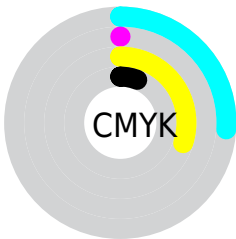
Blue (66%)



Red (66%)

Yellow (94%)

Blue (91%)

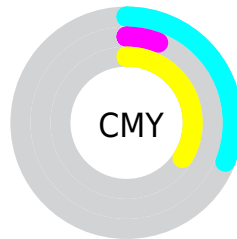


Cyan (26%)

Magenta (0%)

Yellow (30%)

Black (6%)



Cyan (31%)

Magenta (6%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3594, 74.4944, 48.4542 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 56.3594, 74.4944, 48.4542 by changing the saturation by 10% instead.



■ 56.3594, 74.4944,  
48.4542

■ 56.3594, 74.4944,  
48.4542

401.0976,  
476.1780, 397.1502

■ 40.7293, 55.1988,  
33.8242

■ 98.6666, 125.5964,  
89.2529

■ 28.2943, 39.5609,  
22.4823

■ 126.0744,  
158.1716, 116.2586

■ 18.6892, 27.1963,  
14.0100

158.1389,  
195.9421, 148.2266

■ 11.5486, 17.7207,  
7.9888

195.2253,  
239.2923, 185.5754

■ 6.5071, 10.7497,  
4.0001

237.6990,  
288.6066, 228.7237

■ 3.1994, 5.8988,  
1.6254


285.9254,


■ 1.2601, 2.7836,


344.2693, 278.0899


0.3088


340.2698,  
406.6650, 334.0925

 0.1530, 1.0198,  
0.0000

 0.0000, 0.0000,  
0.0000


 56.3594, 74.4944,  
48.4542


 56.3594, 74.4944,  
48.4542


 49.9060, 71.4047,  
37.5385


 63.9655, 78.1350,  
61.5810


 44.5433, 68.8300,  
28.7076

 72.7710, 82.3417,  
77.0261

 40.2121, 66.7449,  
21.8302

 82.8268, 87.1406,  
94.8954

 36.8451, 65.1180,  
16.7580

 90.4516, 90.8031,  
107.3672

■ 34.3672, 63.9141,  
13.3216

■ 32.6914, 63.0927,  
11.3192

■ 31.6968, 62.5991,  
10.4122

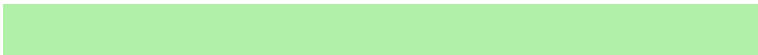
# Harmonies

## Analogous

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



64.2492, 74.4944, 37.2897



56.3594, 74.4944, 48.4542



52.4841, 74.4944, 70.6226

# Triad

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



56.3594, 74.4944, 48.4542



67.0406, 74.4944, 153.7030



92.0181, 74.4944, 63.2295

# Complementary

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



56.3594, 74.4944, 48.4542



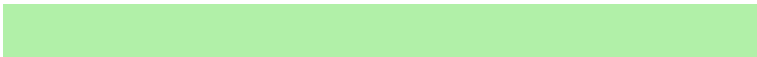
62.6890, 51.2877, 89.0374

# 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.



92.9582, 74.4944, 92.5912



56.3594, 74.4944, 48.4542



77.7916, 74.4944, 150.2785

# Square

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



56.3594, 74.4944, 48.4542



58.2257, 74.4944, 134.3208



87.5287, 74.4944, 125.8876



85.0762, 74.4944, 44.2178



# Rectangle

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



56.3594, 74.4944, 48.4542



52.4071, 74.4944, 90.9316



87.5287, 74.4944, 125.8876



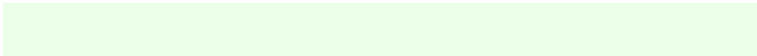
93.0711, 74.4944, 72.0256

# Sweetspot

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



56.3613, 74.4976, 48.4558



84.5665, 94.9973, 90.2604



71.4145, 78.1725, 48.3718



17.7618, 20.1715, 18.7207



0.0000, 0.0000, 0.0000

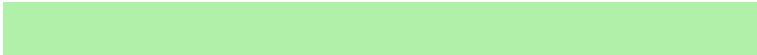


20.3446, 21.4041, 23.3091

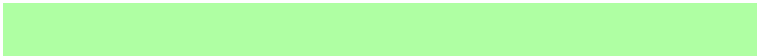


# Same Dimension

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



56.3613, 74.4976, 48.4558



59.9946, 83.2477, 47.6507



57.0935, 74.5614, 62.6594



15.7494, 17.7510, 16.7459



17.4096, 34.2965, 5.7023



1.5068, 2.8833, 0.4771



# Inverse Universe

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



62.6890, 51.2877, 89.0374



68.3271, 52.6341, 101.1659



62.0270, 51.3671, 69.9992



16.2485, 15.9254, 19.9391



23.2382, 10.9852, 46.0234

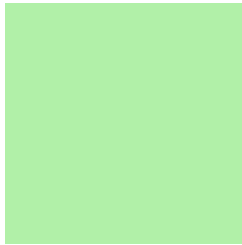


1.9872, 0.9417, 3.8312



# Previews

## White Background



This preview shows how the XYZ color 56.3594, 74.4944, 48.4542 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 56.3594, 74.4944, 48.4542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

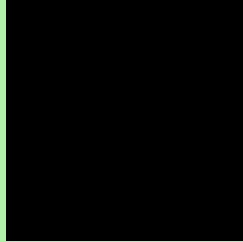
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.3594, 74.4944, 48.4542**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3594, 74.4944, 48.4542.



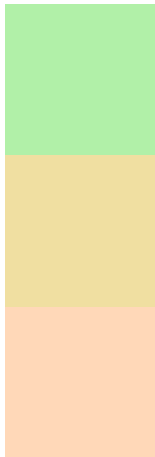
This preview shows how white text looks on a background with the XYZ color 56.3594, 74.4944,



# 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

56.3594, 74.4944, 48.4542

### Protanopia

68.7559, 73.8738, 44.3535

### Deuteranopia

74.4476, 73.8324, 55.6747



## Tritanopia

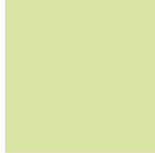
66.7259, 74.4473, 99.6599

# Trichromacy



## Original Color

56.3594, 74.4944, 48.4542



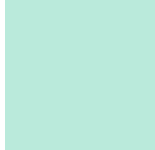
## Protanomaly

63.3354, 73.4707, 45.9651



## Deuteranomaly

66.6396, 73.3957, 52.7740



## Tritanomaly

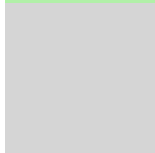
62.4587, 74.3992, 78.0864

# Monochromacy



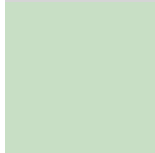
## Original Color

56.3594, 74.4944, 48.4542



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

60.2851, 69.0859, 62.9809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3594, 74.4944, 48.4542 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(177, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(177, 240, 168)  
}
```

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(177, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 240, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3594, 74.4944, 48.4542 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(177, 240, 168) }
```



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

```
.border{ border-color:rgb(177, 240, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 240, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(177, 240,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3594, 74.4944, 48.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 240, 168) }
```

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

```
.background{ background-color: rgb(177,  
240, 168) }
```

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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