

# Converting Colors

XYZ(56.2484, 76.8930, 46.7239)

Have a look what the booklet for  
XYZ(56.2484, 76.8930, 46.7239)  
contains.

<b>XYZ(56.0579, 76.6071, 46.4824)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.0579, 76.6071,  
46.4824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABF5A3
RGB	171, 245, 163
RGB Percent	67%, 96%, 64%
CMY	0.3294, 0.0392, 0.3608
CMYK	0.30, 0.00, 0.33, 0.04
HSL	114°, 80%, 80%
HSV	114°, 33%, 96%
XYZ	56.0579, 76.6071, 46.4824
YIQ	213.5260, -17.7820, -41.1900

# Conversions

## Conversions Part 2

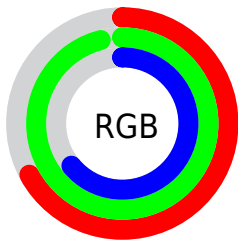
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">163, 245, 237</a>
Decimal	<a href="#">11269539</a>
CIELab	<a href="#">90.14, -38.19, 32.41</a>
CIELCh	<a href="#">90, 50.088, 139.684</a>
Yxy	<a href="#">76.6071, 0.3129, 0.4276</a>
Android (android.graphics.Color)	<a href="#">4289459619 (0xFFABF5A3)</a>
YUV	<a href="#">213.5260, -24.9093, -37.2953</a>
Hunter-Lab	<a href="#">87.5255, -38.8448, 29.7805</a>

# Details

The XYZ color **56.0579, 76.6071, 46.4824** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.5070, 50.7937, 92.7945**, and the grayscale version is **63.7702, 67.0913, 73.0624**.

A 20% lighter version of the original color is **80.4098, 93.0759, 80.0571**, and **28.0002, 40.8052, 21.1523** is the 20% darker color. If you saturate the color by 10%, you get **49.6523, 73.5367, 35.8128**, and if you desaturate by 10%, it is **63.6984, 80.2695, 59.4328**.

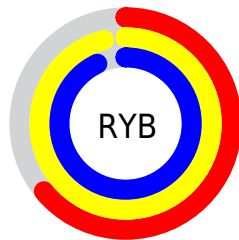
# Distribution



Red (67%)

Green (96%)

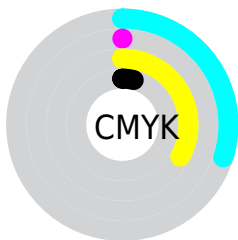
Blue (64%)



Red (64%)

Yellow (96%)

Blue (93%)

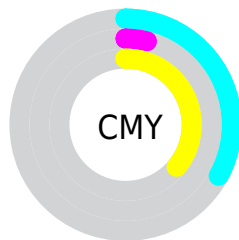


Cyan (30%)

Magenta (0%)

Yellow (33%)

Black (4%)



Cyan (33%)

Magenta (4%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0579, 76.6071, 46.4824 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 56.0579, 76.6071, 46.4824 by changing the saturation by 10% instead.





 56.0579, 76.6071,  
46.4824


 56.0579, 76.6071,  
46.4824


399.9812,  
483.4234, 389.0785

 40.4865, 56.9305,  
32.2752


 98.2285, 128.5847,  
86.2824

 28.1040, 40.9494,  
21.3053


 125.5585,  
161.6545, 112.7123

 18.5449, 28.2796,  
13.1539


157.5388,  
199.9574, 144.0535

 11.4440, 18.5365,  
7.4026

194.5346,  
243.8779, 180.7246

 6.4358, 11.3359,  
3.6329

236.9114,  
293.8004, 223.1441

 3.1550, 6.2932,  
1.4262


285.0345,


 1.2362, 3.0242,


350.1092, 271.7305


0.1620


339.2693,  
413.1887, 326.9025


 0.1347, 1.1444,  
0.0000


 0.0000, 0.0156,  
0.0000


 56.0579, 76.6071,  
46.4824


 56.0579, 76.6071,  
46.4824


 49.6523, 73.5367,  
35.8128


 63.6984, 80.2695,  
59.4328

 44.4109, 71.0179,  
27.2872

 72.6278, 84.5423,  
74.7800

 40.2651, 69.0208,  
20.7620

 82.9040, 89.4553,  
92.6384

 37.1365, 67.5085,  
16.0742

 91.9439, 93.7879,  
107.8646

■ 34.9362, 66.4392,  
13.0351

■ 33.5593, 65.7638,  
11.4151

■ 33.0282, 65.5008,  
10.9022

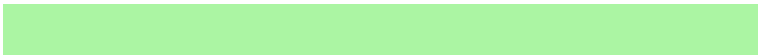
# Harmonies

## Analogous

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



65.0510, 76.6071, 34.1154



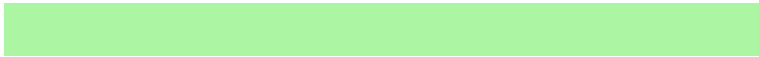
56.0579, 76.6071, 46.4824



51.7277, 76.6071, 71.7379

# Triad

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



56.0579, 76.6071, 46.4824



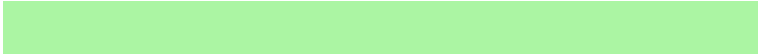
68.6134, 76.6071, 170.5688



97.7312, 76.6071, 62.4043

# Complementary

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



56.0579, 76.6071, 46.4824



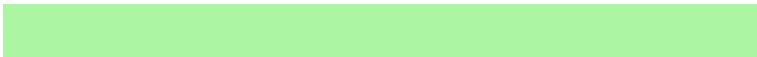
64.5070, 50.7937, 92.7945

# 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.



98.9663, 76.6071, 96.2888



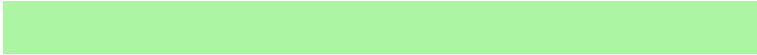
56.0579, 76.6071, 46.4824



81.1686, 76.6071, 165.9475

# Square

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



56.0579, 76.6071, 46.4824



58.4098, 76.6071, 147.2916



92.6120, 76.6071, 136.0368

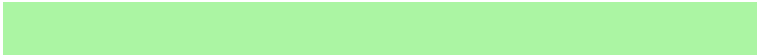


89.4078, 76.6071, 41.3298



# Rectangle

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



56.0579, 76.6071, 46.4824



51.6912, 76.6071, 95.4711



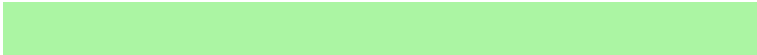
92.6120, 76.6071, 136.0368



99.0226, 76.6071, 72.4139

# Sweetspot

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



56.0599, 76.6104, 46.4841



83.2474, 94.3588, 88.3208



74.4967, 82.5132, 46.6517



17.4894, 20.0393, 18.3339



0.0000, 0.0000, 0.0000

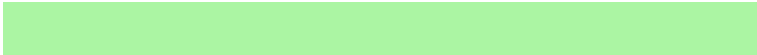


20.3446, 21.4041, 23.3091

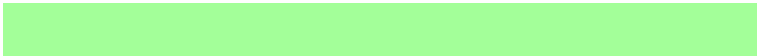


# Same Dimension

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



56.0599, 76.6104, 46.4841



56.6037, 81.6011, 42.9043



57.7001, 77.0712, 63.9425



16.4321, 18.5493, 17.5119



17.8429, 35.3112, 5.8753



1.6176, 3.1290, 0.5187



# Inverse Universe

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



64.5070, 50.7937, 92.7945



67.1151, 49.4240, 100.6102



62.6650, 50.3724, 68.8424



17.0450, 16.6814, 20.8640



25.0257, 11.8755, 47.5112



2.2448, 1.0671, 4.1779



# Previews

## White Background



This preview shows how the XYZ color 56.0579, 76.6071, 46.4824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

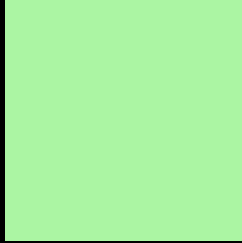
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.0579, 76.6071, 46.4824 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 56.0579, 76.6071, 46.4824**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.0579, 76.6071, 46.4824.



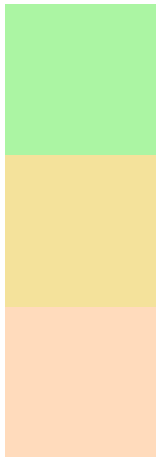
This preview shows how white text looks on a background with the XYZ color 56.0579, 76.6071,



# 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

56.0579, 76.6071, 46.4824

### Protanopia

70.4210, 75.9924, 41.9668

### Deuteranopia

75.6486, 75.5539, 58.1732



## Tritanopia

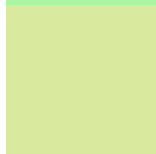
67.6460, 76.5023, 104.1296

# Trichromacy



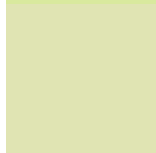
## Original Color

56.0579, 76.6071, 46.4824



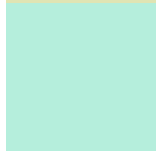
## Protanomaly

63.9257, 75.4982, 43.5511



## Deuteranomaly

66.6206, 74.5888, 53.5336



## Tritanomaly

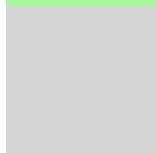
62.5489, 76.1401, 79.1100

# Monochromacy



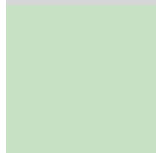
## Original Color

56.0579, 76.6071, 46.4824



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

60.0642, 69.7963, 61.9361

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.0579, 76.6071, 46.4824 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(171, 245, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 163)  
}
```

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(171, 245, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0579, 76.6071, 46.4824 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(171, 245, 163) }
```



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

```
.border{ border-color:rgb(171, 245, 163) }
```

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

Here you see how a box with a 4 pixel rgb(171, 245, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 245, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 245, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 245,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0579, 76.6071, 46.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 163) }
```

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

```
.background{ background-color: rgb(171,  
245, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor