

# Converting Colors

XYZ(56.2948, 71.6969, 60.1620)

Have a look what the booklet for  
XYZ(56.2948, 71.6969, 60.1620)  
contains.

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# Color

**XYZ(56.2823, 71.6059,  
60.1451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEABF
RGB	174, 234, 191
RGB Percent	68%, 92%, 75%
CMY	0.3176, 0.0823, 0.2510
CMYK	0.26, 0.00, 0.18, 0.08
HSL	137°, 59%, 80%
HSV	137°, 26%, 92%
XYZ	56.2823, 71.6059, 60.1451
YIQ	211.1580, -21.9570, -26.0930

# Conversions

## Conversions Part 2

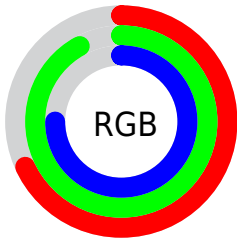
Format	Color
<a href="#">RYB</a>	<a href="#">174, 221, 234</a>
Decimal	<a href="#">11463359</a>
CIELab	<a href="#">87.78, -27.45, 14.83</a>
CIELCh	<a href="#">88, 31.200, 151.624</a>
Yxy	<a href="#">71.6059, 0.2993, 0.3808</a>
Android (android.graphics.Color)	<a href="#">4289653439 (0xFFAEEABF)</a>
YUV	<a href="#">211.1580, -9.9379, -32.5876</a>
Hunter-Lab	<a href="#">84.6203, -29.3623, 17.0929</a>

# Details

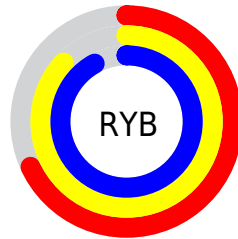
The XYZ color **56.2823, 71.6059, 60.1451** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.5945, 52.7758, 72.5890**, and the grayscale version is **62.0969, 65.3307, 71.1452**.

A 20% lighter version of the original color is **85.1816, 95.0584, 101.8542**, and **28.2536, 37.6688, 29.8264** is the 20% darker color. If you saturate the color by 10%, you get **49.7753, 68.4546, 50.7524**, and if you desaturate by 10%, it is **63.9127, 75.3159, 70.6967**.

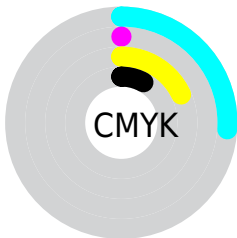
# Distribution



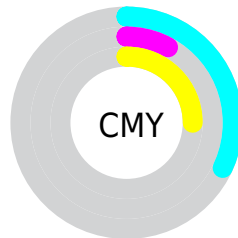
- Red (68%)
- Green (92%)
- Blue (75%)



- Red (68%)
- Yellow (87%)
- Blue (92%)



- Cyan (26%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)




- Cyan (32%)
- Magenta (8%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2823, 71.6059, 60.1451 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 56.2823, 71.6059, 60.1451 by changing the saturation by 10% instead.





 56.2823, 71.6059,  
60.1451

 56.2823, 71.6059,  
60.1451


400.8123,  
466.1687, 442.9519

 40.6672, 52.8368,  
43.1095


 98.5546, 121.4961,  
106.5856

 28.2456, 37.6725,  
29.6390


125.9426,  
153.3859, 136.8275

 18.6523, 25.7286,  
19.3150


157.9855,  
190.4181, 172.3087

 11.5218, 16.6207,  
11.7190

195.0487,  
232.9771, 213.4477

 6.4888, 9.9644,  
6.4324

237.4977,  
281.4473, 260.6629

 3.1880, 5.3754,  
3.0368


285.6977,

 1.2539, 2.4692,


336.2130, 314.3730


1.1134


340.0141,  
397.6587, 374.9965


 0.1483, 0.8611,  
0.0000


 0.0000, 0.0000,  
0.0000


 56.2823, 71.6059,  
60.1451


 56.2823, 71.6059,  
60.1451


 49.7753, 68.4546,  
50.7524


 63.9127, 75.3159,  
70.6967


 44.3317, 65.8259,  
42.4741

 72.7112, 79.6009,  
82.4399

 39.8946, 63.6934,  
35.2700

 82.7269, 84.4874,  
95.4123

 36.3993, 62.0245,  
29.0957

 88.7142, 87.3284,  
106.7881

■ 33.7732, 60.7829,  
23.9034

■ 31.9324, 59.9264,  
19.6415

■ 30.7747, 59.4034,  
16.2536

■ 30.4164, 59.2453,  
15.0331

# Harmonies

## Analogous

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



60.8616, 71.6059, 48.1387



56.2823, 71.6059, 60.1451



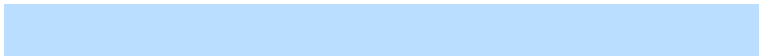
54.7932, 71.6059, 79.1285

# Triad

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



56.2823, 71.6059, 60.1451



68.4638, 71.6059, 126.2553



80.9202, 71.6059, 58.4764

# Complementary

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



56.2823, 71.6059, 60.1451



61.5945, 52.7758, 72.5890

# 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.



83.3104, 71.6059, 76.8162



56.2823, 71.6059, 60.1451



75.8031, 71.6059, 118.1079

# Square

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



56.2823, 71.6059, 60.1451



61.5130, 71.6059, 119.6394



81.3742, 71.6059, 99.0009



75.0543, 71.6059, 47.3052



# Rectangle

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



56.2823, 71.6059, 60.1451



55.6602, 71.6059, 93.9836



81.3742, 71.6059, 99.0009



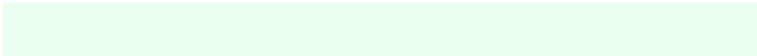
82.1752, 71.6059, 63.8814

# Sweetspot

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



56.2842, 71.6089, 60.1467



85.6737, 95.4280, 96.6382



65.9789, 76.8105, 51.3935



17.9831, 20.2528, 20.2140



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

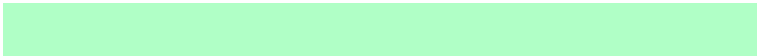


# Same Dimension

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



56.2842, 71.6089, 60.1467



63.8863, 84.8375, 66.6442



59.7989, 73.0148, 78.6545



15.0438, 16.9323, 16.9133



17.1381, 33.3097, 8.6925



1.3858, 2.6316, 0.8933



# Inverse Universe

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



61.5945, 52.7758, 72.5890



71.4069, 58.1516, 84.2547



58.1469, 51.3968, 54.4341



15.5223, 15.2368, 18.0355



23.0805, 11.4349, 22.0233

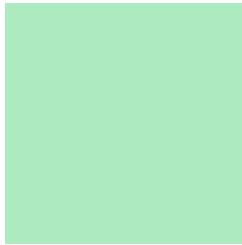


1.8533, 0.9143, 1.9446



# Previews

## White Background



This preview shows how the XYZ color 56.2823, 71.6059, 60.1451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

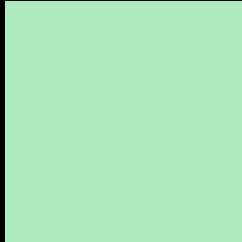
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2823, 71.6059, 60.1451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

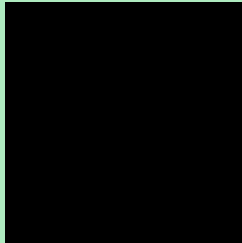
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.2823, 71.6059, 60.1451**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2823, 71.6059, 60.1451.



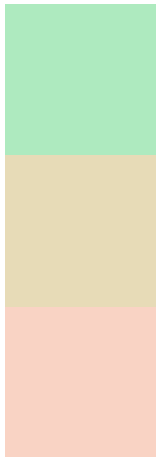
This preview shows how white text looks on a background with the XYZ color 56.2823, 71.6059,



# 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



<b>Original Color</b>
56.2823, 71.6059, 60.1451
<b>Protanopia</b>
66.8338, 71.0709, 54.9953
<b>Deuteranopia</b>
72.3250, 70.7138, 62.0617



## Tritanopia

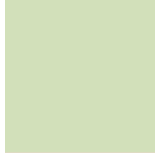
63.7177, 71.7211, 96.8715

# Trichromacy



## Original Color

56.2823, 71.6059, 60.1451



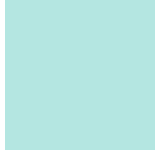
## Protanomaly

62.0969, 70.5581, 56.8006



## Deuteranomaly

65.1933, 70.0877, 61.1312



## Tritanomaly

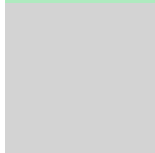
60.7098, 71.7332, 81.8803

# Monochromacy



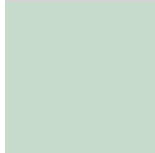
## Original Color

56.2823, 71.6059, 60.1451



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.5193, 67.0284, 66.9275

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2823, 71.6059, 60.1451 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(174, 234, 191)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 191)  
}
```

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(174, 234, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2823, 71.6059, 60.1451 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(174, 234, 191) }
```



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

```
.border{ border-color:rgb(174, 234, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 234, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 191);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2823, 71.6059, 60.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 191) }
```

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

```
.background{ background-color: rgb(174,  
234, 191) }
```

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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