

# Converting Colors

XYZ(51.0606, 57.1011, 71.2662)

Have a look what the booklet for  
XYZ(51.0606, 57.1011, 71.2662)  
contains.

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# Color

**XYZ(51.0587, 56.9885,  
71.2596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AECCD5
RGB	174, 204, 213
RGB Percent	68%, 80%, 84%
CMY	0.3176, 0.2000, 0.1647
CMYK	0.18, 0.04, 0.00, 0.16
HSL	194°, 32%, 76%
HSV	194°, 18%, 84%
XYZ	51.0587, 56.9885, 71.2596
YIQ	196.0560, -20.7690, -3.5610

# Conversions

## Conversions Part 2

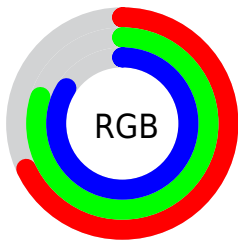
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 191, 213
Decimal	11455701
CIELab	80.17, -8.08, -7.83
CIELCh	80, 11.252, 224.079
Yxy	56.9885, 0.2848, 0.3178
Android (android.graphics.Color)	4289645781 (0xFFFAECCD5)
YUV	196.0560, 8.3534, -19.3431
Hunter-Lab	75.4907, -11.3790, -3.1234

# Details

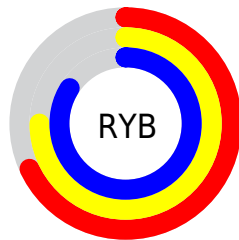
The XYZ color **51.0587, 56.9885, 71.2596** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.0146, 51.0692, 47.1615**, and the grayscale version is **52.4647, 55.1969, 60.1095**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **24.9631, 28.3463, 36.5034** is the 20% darker color. If you saturate the color by 10%, you get **45.5353, 52.4359, 70.6729**, and if you desaturate by 10%, it is **57.3748, 62.0074, 71.8964**.

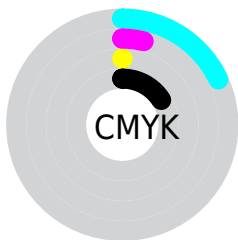
# Distribution



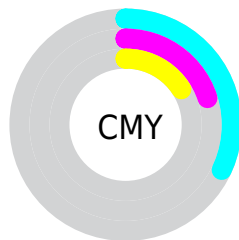
- Red (68%)
- Green (80%)
- Blue (84%)



- Red (68%)
- Yellow (75%)
- Blue (84%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (32%)
- Magenta (20%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0587, 56.9885, 71.2596 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 51.0587, 56.9885, 71.2596 by changing the saturation by 10% instead.



■ 51.0587, 56.9885,  
71.2596

■ 51.0587, 56.9885,  
71.2596

381.1757,  
413.4062, 483.8685

■ 36.4766, 40.9960,  
52.0709

■ 90.9240, 100.4484,  
122.7012

■ 24.9743, 28.3160,  
36.6790

116.9379,  
128.6846, 155.7912

■ 16.1865, 18.5640,  
24.6652

147.4931,  
161.7708, 194.3521

■ 9.7479, 11.3556,  
15.6111

182.9549,  
200.0915, 238.8024

■ 5.2931, 6.3066,  
9.0980

223.6887,  
244.0310, 289.5607

■ 2.4568, 3.0324,  
4.7075

270.0599,

■ 0.8735, 1.1487,

293.9736, 347.0454

2.0209

322.4338,  
350.3039, 411.6752

■ 0.0000, 0.0192,  
0.5681

■ 0.0000, 0.0000,  
0.0000

■ 51.0587, 56.9885,  
71.2596

■ 51.0587, 56.9885,  
71.2596

■ 45.5353, 52.4359,  
70.6729

■ 57.3748, 62.0074,  
71.8964

■ 40.7639, 48.3237,  
70.1306

■ 64.5118, 67.5033,  
72.5810

■ 36.7076, 44.6338,  
69.6322

■ 72.5031, 73.4952,  
73.3164

■ 33.3242, 41.3440,  
69.1755

■ 79.8148, 79.1930,  
74.0308

■ 30.5670, 38.4298,  
68.7584

■ 81.1521, 81.8675,  
74.4765

■ 28.3830, 35.8632,  
68.3781

■ 82.5278, 84.6188,  
74.9351

■ 26.7099, 33.6116,  
68.0316

■ 83.9422, 87.4478,  
75.4066

■ 25.4552, 31.6267,  
67.7147

■ 85.3958, 90.3548,  
75.8911

■ 25.2611, 31.3055,  
67.6629

■ 86.8887, 93.3407,  
76.3887

# Harmonies

## Analogous

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



49.9993, 56.9885, 65.1747



51.0587, 56.9885, 71.2596



52.9650, 56.9885, 75.0081

# Triad

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



51.0587, 56.9885, 71.2596



58.5191, 56.9885, 65.5807



53.0999, 56.9885, 50.5871

# Complementary

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



51.0587, 56.9885, 71.2596



52.0146, 51.0692, 47.1615

# 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.



55.3848, 56.9885, 50.6788



51.0587, 56.9885, 71.2596



58.5577, 56.9885, 59.0283

# Square

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



51.0587, 56.9885, 71.2596



57.2925, 56.9885, 71.5748



57.3966, 56.9885, 53.6716



51.1551, 56.9885, 53.4115



# Rectangle

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



51.0587, 56.9885, 71.2596



54.4802, 56.9885, 75.5228



57.3966, 56.9885, 53.6716



53.8527, 56.9885, 50.2845

# Sweetspot

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



51.0604, 56.9908, 71.2609



89.5826, 95.7991, 108.3773



49.7410, 59.9843, 53.4579



19.0154, 20.3818, 23.1818



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

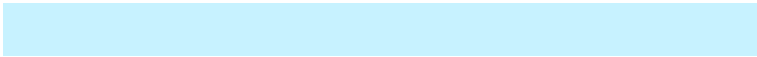


# Same Dimension

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



51.0604, 56.9908, 71.2609



73.3459, 82.8870, 106.7408



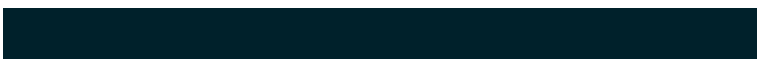
46.8264, 48.5228, 69.8496



12.5380, 13.5994, 15.9016



15.5112, 19.2841, 41.3578



0.9961, 1.2842, 2.5147



# Inverse Universe

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



53.4771, 48.7792, 63.7262



77.6761, 68.4751, 93.1728



56.1904, 59.4208, 48.5534



12.8248, 12.5814, 15.0174



20.8882, 10.2916, 22.5129

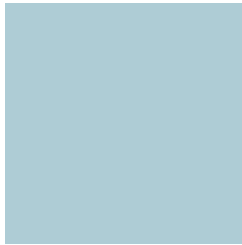


1.2904, 0.6330, 1.5188



# Previews

## White Background



This preview shows how the XYZ color 51.0587, 56.9885, 71.2596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

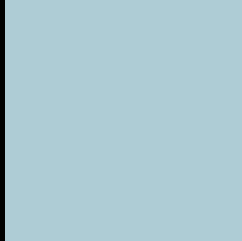
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0587, 56.9885, 71.2596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

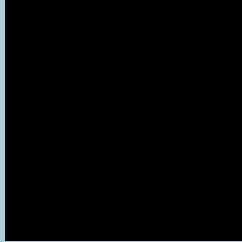
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.0587, 56.9885, 71.2596

## Background



This preview shows how black text looks on a background with the XYZ color 51.0587, 56.9885, 71.2596.



This preview shows how white text looks on a background with the XYZ color 51.0587, 56.9885,



# 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

51.0587, 56.9885, 71.2596

### Protanopia

55.0281, 56.6781, 68.3613

### Deuteranopia

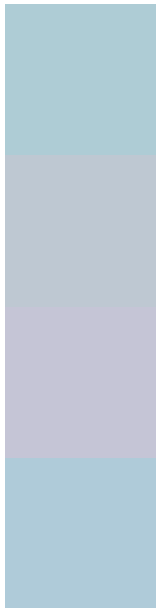
57.9140, 56.7479, 72.1910



## Tritanopia

51.8213, 56.9403, 75.2771

# Trichromacy



## Original Color

51.0587, 56.9885, 71.2596

## Protanomaly

53.5223, 56.9088, 69.1363

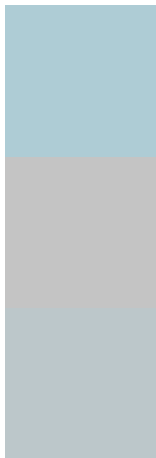
## Deuteranomaly

55.1298, 56.6579, 71.6487

## Tritanomaly

51.5595, 56.8356, 73.8985

# Monochromacy



## Original Color

51.0587, 56.9885, 71.2596

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.8231, 55.8025, 63.9167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0587, 56.9885, 71.2596 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, 204, 213)` looks like.

```
.text, #text, p{  
    color:rgb(174, 204, 213)  
}
```

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, 204, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 204, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0587, 56.9885, 71.2596 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, 204, 213) }
```



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

```
.border{ border-color:rgb(174, 204, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 204, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 204, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 204, 213);  
box-shadow:4px 4px 4px 4px rgb(174, 204,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0587, 56.9885, 71.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 204, 213) }
```

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

```
.background{ background-color: rgb(174,  
204, 213) }
```

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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