

# Converting Colors

XYZ(51.7187, 56.6490, 75.2278)

Have a look what the booklet for  
XYZ(51.7187, 56.6490, 75.2278)  
contains.

<b>XYZ(51.5859, 56.4695, 75.1987)</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(51.5859, 56.4695,  
75.1987)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFCADB
RGB	175, 202, 219
RGB Percent	69%, 79%, 86%
CMY	0.3137, 0.2078, 0.1412
CMYK	0.20, 0.08, 0.00, 0.14
HSL	203°, 38%, 77%
HSV	203°, 20%, 86%
XYZ	51.5859, 56.4695, 75.1987
YIQ	195.8650, -21.5490, -0.4370

# Conversions

## Conversions Part 2

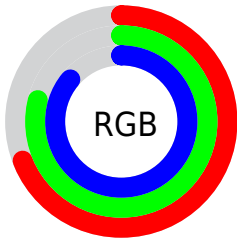
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 192, 219
Decimal	11520731
CIELab	79.88, -5.43, -11.47
CIElCh	80, 12.693, 244.689
Yxy	56.4695, 0.2815, 0.3081
Android (android.graphics.Color)	4289710811 (0xFFAFCADB)
YUV	195.8650, 11.4056, -18.2986
Hunter-Lab	75.1462, -8.9702, -6.7291

# Details

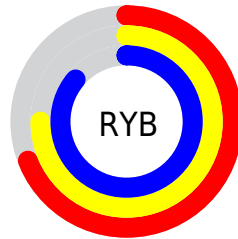
The XYZ color **51.5859, 56.4695, 75.1987** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.8014, 55.8545, 48.3986**, and the grayscale version is **52.3329, 55.0583, 59.9584**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **25.3168, 27.9977, 39.1917** is the 20% darker color. If you saturate the color by 10%, you get **45.1330, 50.2777, 74.3446**, and if you desaturate by 10%, it is **58.9482, 63.2945, 76.1289**.

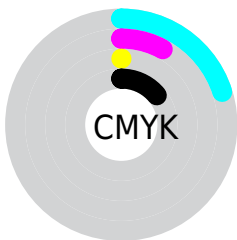
# Distribution



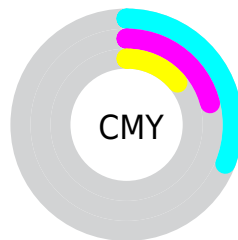
- Red (69%)
- Green (79%)
- Blue (86%)



- Red (69%)
- Yellow (75%)
- Blue (86%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (31%)
- Magenta (21%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5859, 56.4695, 75.1987 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 51.5859, 56.4695, 75.1987 by changing the saturation by 10% instead.



■ 51.5859, 56.4695,  
75.1987

■ 51.5859, 56.4695,  
75.1987

383.1861,  
411.4585, 497.8739

■ 36.8980, 40.5795,  
55.2730

■ 91.6981, 99.6907,  
128.3433

■ 25.3019, 27.9906,  
39.2202

117.8531,  
127.7907, 162.3992

■ 16.4320, 18.3186,  
26.6220

148.5613,  
160.7294, 202.0023

■ 9.9232, 11.1790,  
17.0596

184.1879,  
198.8913, 247.5711

■ 5.4099, 6.1873,  
10.1146

225.0983,  
242.6608, 299.5241

■ 2.5269, 2.9593,  
5.3684

271.6580,

■ 0.9089, 1.1105,

292.4222, 358.2798

2.4025

324.2321,  
348.5600, 424.2569

■ 0.0000, 0.0000,  
0.7878

■ 0.0000, 0.0000,  
0.0000

■ 51.5859, 56.4695,  
75.1987

■ 51.5859, 56.4695,  
75.1987

■ 45.1330, 50.2777,  
74.3446

■ 58.9482, 63.2945,  
76.1289

■ 39.5443, 44.6890,  
73.5604

■ 67.2522, 70.7677,  
77.1337

■ 34.7782, 39.6808,  
72.8449

■ 76.5350, 78.9119,  
78.2165

■ 30.7873, 35.2259,  
72.1954

■ 83.9772, 86.2762,  
79.2457

■ 27.5191, 31.2944,  
71.6088

■ 86.4689, 91.2597,  
80.0763

■ 24.9138, 27.8528,  
71.0818

■ 89.0776, 96.4770,  
80.9458

■ 22.9006, 24.8616,  
70.6106

■ 89.7864, 97.8945,  
81.1821

■ 21.3668, 22.2754,  
70.1922

# Harmonies

## Analogous

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



49.7080, 56.4695, 69.9038



51.5859, 56.4695, 75.1987



54.0779, 56.4695, 76.7094

# Triad

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



51.5859, 56.4695, 75.1987



58.7539, 56.4695, 60.3351



50.9069, 56.4695, 50.5597

# Complementary

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



51.5859, 56.4695, 75.1987



55.8014, 55.8545, 48.3986

# 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.



53.2693, 56.4695, 48.4224



51.5859, 56.4695, 75.1987



57.8425, 56.4695, 53.7721

# Square

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



51.5859, 56.4695, 75.1987



58.2685, 56.4695, 67.7419



55.8148, 56.4695, 49.5502



49.3249, 56.4695, 55.6271



# Rectangle

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



51.5859, 56.4695, 75.1987



55.7649, 56.4695, 75.2730



55.8148, 56.4695, 49.5502



51.6333, 56.4695, 49.4940

# Sweetspot

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



51.5876, 56.4718, 75.2000



87.7868, 93.4995, 108.0281



52.5115, 63.5779, 59.2970



18.6272, 19.8657, 23.1027



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

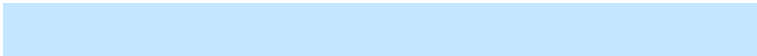


# Same Dimension

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



51.5876, 56.4718, 75.2000



68.9231, 76.0153, 105.6475



46.8147, 46.9260, 73.6090



13.0006, 13.9408, 16.6578



12.7784, 13.4263, 41.6564



0.9104, 1.0350, 2.7262



# Inverse Universe

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



55.2054, 49.9856, 62.6183



74.9617, 65.5444, 84.5671



60.9651, 66.1819, 50.1198



13.3901, 13.1852, 15.3157



19.9453, 9.9792, 14.6239

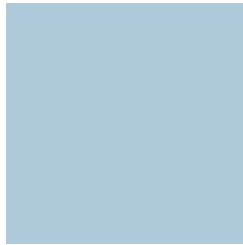


1.3338, 0.6632, 1.1669



# Previews

## White Background



This preview shows how the XYZ color 51.5859, 56.4695, 75.1987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

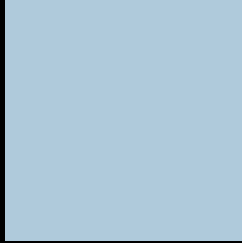
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5859, 56.4695, 75.1987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

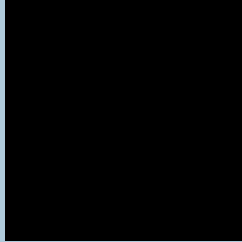
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

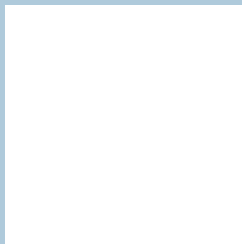
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.5859, 56.4695, 75.1987

## Background



This preview shows how black text looks on a background with the XYZ color 51.5859, 56.4695, 75.1987.



This preview shows how white text looks on a background with the XYZ color 51.5859, 56.4695,



# 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

51.5859, 56.4695, 75.1987

### Protanopia

54.7706, 56.1219, 72.2359

### Deuteranopia

57.3544, 56.0415, 76.2008



## Tritanopia

51.4546, 56.4170, 74.5073

# Trichromacy



## Original Color

51.5859, 56.4695, 75.1987

## Protanomaly

53.3278, 56.0374, 72.9714

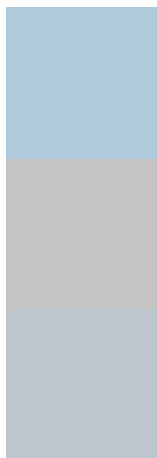
## Deuteranomaly

55.1639, 56.2493, 75.6599

## Tritanomaly

51.4546, 56.4170, 74.5073

# Monochromacy



## Original Color

51.5859, 56.4695, 75.1987

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.8322, 55.4392, 65.0957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5859, 56.4695, 75.1987 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, 202, 219)` looks like.

```
.text, #text, p{  
    color:rgb(175, 202, 219)  
}
```

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, 202, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 202, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5859, 56.4695, 75.1987 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, 202, 219) }
```



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

```
.border{ border-color:rgb(175, 202, 219) }
```

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

Here you see how a box with a 4 pixel rgb(175, 202, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 202, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 202, 219);  
box-shadow:4px 4px 4px 4px rgb(175, 202,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5859, 56.4695, 75.1987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 202, 219) }
```

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

```
.background{ background-color: rgb(175,  
202, 219) }
```

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