

# Converting Colors

XYZ(56.1855, 70.0123, 72.8398)

Have a look what the booklet for  
XYZ(56.1855, 70.0123, 72.8398)  
contains.

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# Color

**XYZ(56.1855, 70.0123,  
72.8398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6E7D4
RGB	166, 231, 212
RGB Percent	65%, 91%, 83%
CMY	0.3490, 0.0941, 0.1686
CMYK	0.28, 0.00, 0.08, 0.09
HSL	162°, 58%, 78%
HSV	162°, 28%, 91%
XYZ	56.1855, 70.0123, 72.8398
YIQ	209.3990, -32.6410, -19.6890

# Conversions

## Conversions Part 2

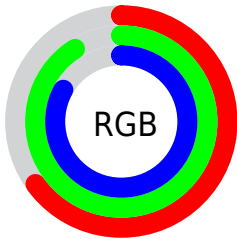
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 204, 231
Decimal	10938324
CIE Lab	87.00, -24.35, 2.67
CIE LCh	87, 24.496, 173.733
Yxy	70.0123, 0.2823, 0.3518
Android (android.graphics.Color)	4289128404 (0xFFA6E7D4)
YUV	209.3990, 1.2823, -38.0609
Hunter-Lab	83.6734, -26.5681, 6.9579

# Details

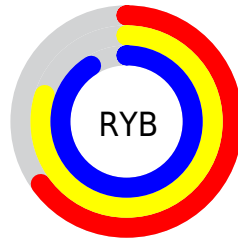
The XYZ color **56.1855, 70.0123, 72.8398** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.3506, 47.7660, 52.2044**, and the grayscale version is **60.8737, 64.0438, 69.7437**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **28.0979, 36.5390, 37.4701** is the 20% darker color. If you saturate the color by 10%, you get **50.9374, 67.4050, 68.2408**, and if you desaturate by 10%, it is **62.3429, 73.0879, 77.6704**.

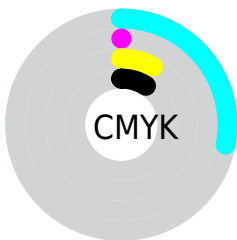
# Distribution



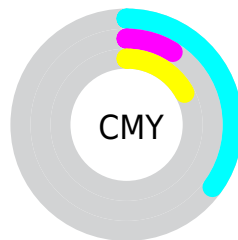
- Red (65%)
- Green (91%)
- Blue (83%)



- Red (65%)
- Yellow (80%)
- Blue (91%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (35%)
- Magenta (9%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1855, 70.0123, 72.8398 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 56.1855, 70.0123, 72.8398 by changing the saturation by 10% instead.



■ 56.1855, 70.0123,  
72.8398

■ 56.1855, 70.0123,  
72.8398

400.4539,  
460.5932, 489.5153

■ 40.5893, 51.5366,  
53.3540

■ 98.4140, 119.2263,  
124.9686

■ 28.1845, 36.6358,  
37.6957

■ 125.7769,  
150.7333, 158.4486

■ 18.6060, 24.9256,  
25.4466

157.7928,  
187.3529, 197.4304

■ 11.4882, 16.0217,  
16.1881

194.8270,  
229.4695, 242.3325

■ 6.4659, 9.5395,  
9.5016

237.2449,  
277.4674, 293.5735

■ 3.1737, 5.0947,  
4.9685

285.4117,

■ 1.2463, 2.3029,

331.7311, 351.5720

2.1704

339.6929,  
392.6449, 416.7464

■ 0.1425, 0.7753,  
0.6572

■ 0.0000, 0.0000,  
0.0000

■ 56.1855, 70.0123,  
72.8398

■ 56.1855, 70.0123,  
72.8398

■ 50.9374, 67.4050,  
68.2408

■ 62.3429, 73.0879,  
77.6704

■ 46.5457, 65.2334,  
63.8642

■ 69.4473, 76.6457,  
82.7320

■ 42.9610, 63.4737,  
59.7068

■ 77.5412, 80.7093,  
88.0303

■ 40.1263, 62.0967,  
55.7638

■ 85.3993, 84.6472,  
93.5102

■ 37.9769, 61.0691,  
52.0295

■ 86.4161, 85.0539,  
98.8645

■ 36.4366, 60.3516,  
48.4982

■ 87.4706, 85.4757,  
104.4172

■ 35.3979, 59.8888,  
45.1623

■ 87.8672, 85.6343,  
106.5057

■ 35.2304, 59.8157,  
44.5614

# Harmonies

## Analogous

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



58.0532, 70.0123, 59.0527



56.1855, 70.0123, 72.8398



56.9624, 70.0123, 89.6453

# Triad

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



56.1855, 70.0123, 72.8398



71.0768, 70.0123, 108.9078



73.2751, 70.0123, 53.5218

# Complementary

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



56.1855, 70.0123, 72.8398



55.3506, 47.7660, 52.2044

# 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.



77.1453, 70.0123, 64.2273



56.1855, 70.0123, 72.8398



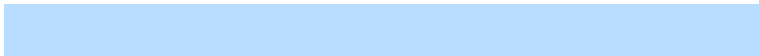
75.8261, 70.0123, 96.4553

# Square

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



56.1855, 70.0123, 72.8398



65.3495, 70.0123, 112.0830



78.1046, 70.0123, 79.7269



67.7541, 70.0123, 48.9783



# Rectangle

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



56.1855, 70.0123, 72.8398



58.8990, 70.0123, 100.1836



78.1046, 70.0123, 79.7269



74.8247, 70.0123, 56.4380

# Sweetspot

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



56.1875, 70.0152, 72.8414



86.9936, 95.9560, 103.5885



55.5895, 70.2846, 46.7140



18.3152, 20.3856, 21.9630



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.



56.1875, 70.0152, 72.8414



66.2068, 85.5715, 87.6359



55.2233, 64.0220, 85.0515



14.6184, 16.2608, 17.5215



19.8065, 33.5547, 25.2789



1.5036, 2.4956, 2.0788



# Inverse Universe

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



55.3506, 47.7660, 52.2044



64.9960, 53.2553, 57.6844



55.9603, 51.9843, 43.1622



14.5494, 14.4370, 15.8277



19.0990, 9.7738, 4.1504

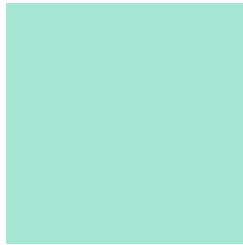


1.4508, 0.7380, 0.5145



# Previews

## White Background



This preview shows how the XYZ color 56.1855, 70.0123, 72.8398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

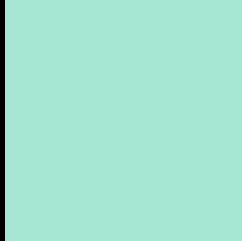
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1855, 70.0123, 72.8398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

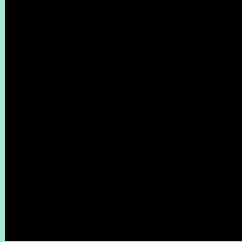
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

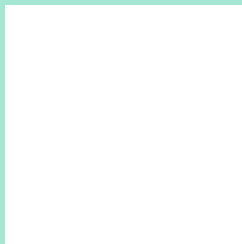
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.1855, 70.0123, 72.8398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.1855, 70.0123, 72.8398.



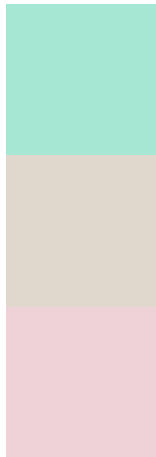
This preview shows how white text looks on a background with the XYZ color 56.1855, 70.0123,



# 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

56.1855, 70.0123, 72.8398

### Protanopia

66.1954, 69.3187, 67.0177

### Deuteranopia

70.7012, 69.2282, 74.6018



## Tritanopia

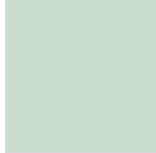
60.7591, 69.8086, 95.8600

# Trichromacy



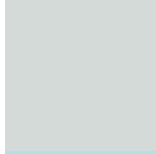
## Original Color

56.1855, 70.0123, 72.8398



## Protanomaly

61.7475, 68.9144, 69.0789



## Deuteranomaly

64.4885, 69.0462, 74.2183



## Tritanomaly

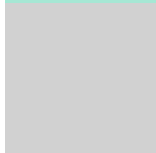
58.8865, 69.8590, 86.7244

# Monochromacy



## Original Color

56.1855, 70.0123, 72.8398



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

58.4380, 65.6163, 70.5580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1855, 70.0123, 72.8398 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(166, 231, 212)` looks like.

```
.text, #text, p{  
    color:rgb(166, 231, 212)  
}
```

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(166, 231, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 231, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1855, 70.0123, 72.8398 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(166, 231, 212) }
```



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

```
.border{ border-color:rgb(166, 231, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 231, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 231, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 231, 212);  
box-shadow:4px 4px 4px 4px rgb(166, 231,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1855, 70.0123, 72.8398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 231, 212) }
```

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

```
.background{ background-color: rgb(166,  
231, 212) }
```

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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