

# Converting Colors

XYZ(56.8949, 69.0631, 76.2292)

Have a look what the booklet for  
XYZ(56.8949, 69.0631, 76.2292)  
contains.

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# Color

**XYZ(56.8454, 69.0426,  
75.9761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE4D9
RGB	170, 228, 217
RGB Percent	67%, 89%, 85%
CMY	0.3333, 0.1059, 0.1490
CMYK	0.25, 0.00, 0.05, 0.11
HSL	169°, 52%, 78%
HSV	169°, 25%, 89%
XYZ	56.8454, 69.0426, 75.9761
YIQ	209.4040, -31.0370, -15.7170

# Conversions

## Conversions Part 2

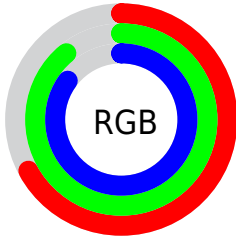
Format	Color
<b>RYB</b>	170, 202, 228
Decimal	11199705
CIELab	86.53, -20.65, -0.63
CIELCh	87, 20.663, 181.734
Yxy	69.0426, 0.2816, 0.3420
Android (android.graphics.Color)	4289389785 (0xFFAAE4D9)
YUV	209.4040, 3.7448, -34.5573
Hunter-Lab	83.0919, -23.2941, 3.9518

# Details

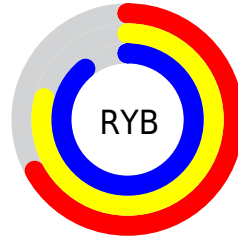
The XYZ color **56.8454, 69.0426, 75.9761** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.7126, 48.5816, 50.2126**, and the grayscale version is **60.8606, 64.0301, 69.7288**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **28.4766, 35.8267, 39.5968** is the 20% darker color. If you saturate the color by 10%, you get **51.7828, 66.4987, 72.8419**, and if you desaturate by 10%, it is **62.7815, 72.0387, 79.2311**.

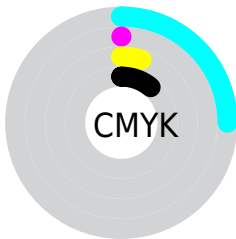
# Distribution



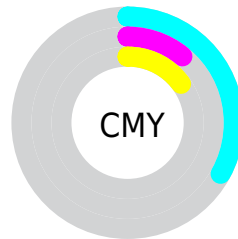
- Red (67%)
- Green (89%)
- Blue (85%)



- Red (67%)
- Yellow (79%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (33%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8454, 69.0426, 75.9761 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 56.8454, 69.0426, 75.9761 by changing the saturation by 10% instead.



■ 56.8454, 69.0426,  
75.9761

■ 56.8454, 69.0426,  
75.9761

402.8933,  
457.1812, 500.6105

■ 41.1208, 50.7464,  
55.9064

■ 99.3722, 117.8424,  
129.4529

■ 28.6016, 36.0068,  
39.7244

126.9052,  
149.1148, 163.6971

■ 18.9224, 24.4395,  
27.0116

159.1049,  
185.4814, 203.5031

■ 11.7179, 15.6599,  
17.3494

196.3368,  
227.3266, 249.2896

■ 6.6227, 9.2838,  
10.3193

238.9663,  
275.0348, 301.4750

■ 3.2715, 4.9268,  
5.5028

287.3586,

■ 1.2989, 2.2044,

328.9904, 360.4779

2.4814

341.8791,  
389.5777, 426.7169

■ 0.1824, 0.7224,  
0.8302

■ 0.0000, 0.0000,  
0.0000

■ 56.8454, 69.0426,  
75.9761

■ 56.8454, 69.0426,  
75.9761

■ 51.7828, 66.4987,  
72.8419

■ 62.7815, 72.0387,  
79.2311

■ 47.5434, 64.3757,  
69.8213


■ 69.6263, 75.4998,  
82.6046


■ 44.0812, 62.6517,  
66.9128

■ 77.4201, 79.4483,  
86.1007


■ 41.3429, 61.2991,  
64.1134


■ 83.8794, 82.7071,  
89.6130


 39.2684, 60.2871,  
61.4196


 84.5096, 82.9592,  
92.9318


 37.7878, 59.5797,  
58.8277


 85.1551, 83.2174,  
96.3311

 36.8151, 59.1324,  
56.3330

 85.8161, 83.4818,  
99.8114

 36.4754, 58.9816,  
55.2242

 86.4925, 83.7524,  
103.3733

 87.0346, 83.9692,  
106.2282

# Harmonies

## Analogous

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



57.8448, 69.0426, 63.3695



56.8454, 69.0426, 75.9761



58.1012, 69.0426, 89.9116

# Triad

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



56.8454, 69.0426, 75.9761



70.5846, 69.0426, 99.9000



70.0794, 69.0426, 54.2651

# Complementary

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



56.8454, 69.0426, 75.9761



54.7126, 48.5816, 50.2126

# 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.



73.7673, 69.0426, 62.1447



56.8454, 69.0426, 75.9761



74.0688, 69.0426, 88.3640

# Square

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



56.8454, 69.0426, 75.9761



65.9018, 69.0426, 104.7248



75.2605, 69.0426, 74.3809



65.3448, 69.0426, 51.7840



# Rectangle

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



56.8454, 69.0426, 75.9761



60.0856, 69.0426, 97.8318



75.2605, 69.0426, 74.3809



71.4904, 69.0426, 56.3188

# Sweetspot

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



56.8474, 69.0454, 75.9777



87.3221, 96.0874, 105.3188



54.1984, 68.2884, 48.3560



18.3984, 20.4189, 22.4008



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.



56.8474, 69.0454, 75.9777



69.3820, 87.0358, 95.5843



53.7783, 60.5400, 82.2530



14.6840, 16.2870, 17.8669



21.1031, 34.0733, 32.1069



1.5898, 2.5300, 2.5323



# Inverse Universe

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



54.7126, 48.5816, 50.2126



66.1535, 56.0503, 56.5910



57.1083, 55.1091, 45.6588



14.4881, 14.4124, 15.5049



18.7618, 9.6389, 2.3745

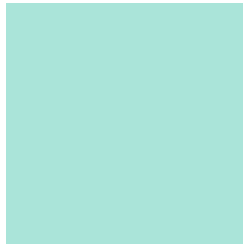


1.4182, 0.7250, 0.3430



# Previews

## White Background



This preview shows how the XYZ color 56.8454, 69.0426, 75.9761 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

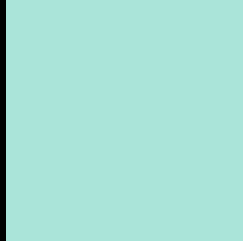
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8454, 69.0426, 75.9761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

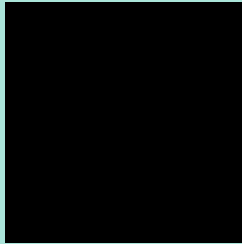
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

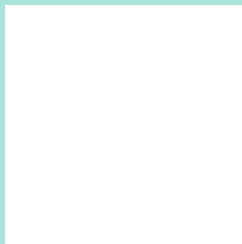
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.8454, 69.0426, 75.9761**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8454, 69.0426, 75.9761.



This preview shows how white text looks on a background with the XYZ color 56.8454, 69.0426, 75.9761.

75.9761.

# 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

56.8454, 69.0426, 75.9761

### Protanopia

65.7521, 68.6262, 70.7534

### Deuteranopia

69.7833, 68.3138, 77.9145



## Tritanopia

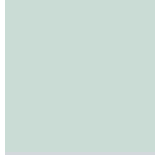
60.3619, 68.8361, 94.1097

# Trichromacy



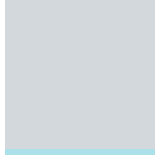
## Original Color

56.8454, 69.0426, 75.9761



## Protanomaly

61.9606, 68.5471, 72.9160



## Deuteranomaly

64.3381, 68.1279, 77.4692



## Tritanomaly

58.8668, 68.6179, 87.2328

# Monochromacy



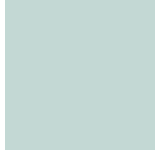
## Original Color

56.8454, 69.0426, 75.9761



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

58.9452, 65.4673, 71.8171

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8454, 69.0426, 75.9761 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(170, 228, 217)` looks like.

```
.text, #text, p{  
    color:rgb(170, 228, 217)  
}
```

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(170, 228, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 228, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8454, 69.0426, 75.9761 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(170, 228, 217) }
```



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

```
.border{ border-color:rgb(170, 228, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 228, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 228, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 228, 217);  
box-shadow:4px 4px 4px 4px rgb(170, 228,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8454, 69.0426, 75.9761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 228, 217) }
```

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

```
.background{ background-color: rgb(170,  
228, 217) }
```

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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