

Converting Colors

XYZ(56.6486, 69.4046, 83.0069)

Have a look what the booklet for
XYZ(56.6486, 69.4046, 83.0069)
contains.

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Color

**XYZ(56.8599, 69.7167,
83.1329)**

Conversions

Conversions Part 1

Format	Color
Hex	A1E6E3
RGB	161, 230, 227
RGB Percent	63%, 90%, 89%
CMY	0.3686, 0.0980, 0.1098
CMYK	0.30, 0.00, 0.01, 0.10
HSL	177°, 58%, 77%
HSV	177°, 30%, 90%
XYZ	56.8599, 69.7167, 83.1329
YIQ	209.0270, -40.1610, -15.5610

Conversions

Conversions Part 2

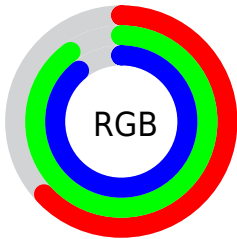
Format	Color
RYB	161, 196, 230
Decimal	10610403
CIELab	86.86, -22.05, -5.46
CIElCh	87, 22.716, 193.896
Yxy	69.7167, 0.2711, 0.3324
Android (android.graphics.Color)	4288800483 (0xFFA1E6E3)
YUV	209.0270, 8.8607, -42.1197
Hunter-Lab	83.4965, -24.5631, -0.5842

Details

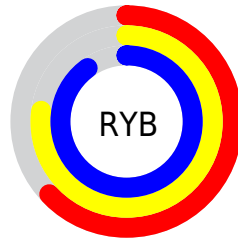
The XYZ color **56.8599, 69.7167, 83.1329** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.0813, 44.9951, 41.0647**, and the grayscale version is **60.5864, 63.7416, 69.4146**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **28.5263, 36.3148, 44.5357** is the 20% darker color. If you saturate the color by 10%, you get **52.5073, 67.4905, 82.2116**, and if you desaturate by 10%, it is **62.0700, 72.3883, 84.1015**.

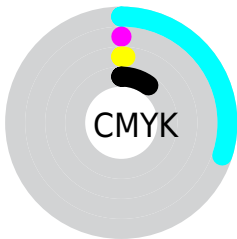
Distribution



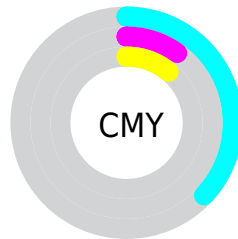
- Red (63%)
- Green (90%)
- Blue (89%)



- Red (63%)
- Yellow (77%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (37%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8599, 69.7167, 83.1329 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 56.8599, 69.7167, 83.1329 by changing the saturation by 10% instead.

56.8599, 69.7167,
83.1329

56.8599, 69.7167,
83.1329

402.9468,
459.5547, 525.4119

41.1325, 51.2956,
61.7585

99.3933, 118.8047,
139.6125

28.6107, 36.4439,
44.4031

126.9299,
150.2403, 175.5548

18.9293, 24.7772,
30.6480

159.1337,
186.7830, 217.1902

11.7229, 15.9112,
20.0748

196.3700,
228.8170, 264.9371

6.6262, 9.4613,
12.2648

239.0040,
276.7268, 319.2143

3.2737, 5.0433,
6.7995

287.4013,

1.3001, 2.2727,

330.8967, 380.4401

3.2605

341.9271,
391.7112, 449.0331

■ 0.1833, 0.7592,
1.2291

■ 0.0000, 0.0000,
0.0026

■ 56.8599, 69.7167,
83.1329

■ 56.8599, 69.7167,
83.1329

■ 52.5073, 67.4905,
82.2116

■ 62.0700, 72.3883,
84.1015

■ 48.9591, 65.6772,
81.3307

■ 68.1746, 75.5193,
85.1147

■ 46.1662, 64.2531,
80.4892

■ 75.2161, 79.1331,
86.1759

■ 44.0714, 63.1888,
79.6846

■ 83.2323, 83.2493,
87.2870

42.6092, 62.4506,
78.9138

84.1043, 83.6825,
88.0679

41.7020, 61.9984,
78.1731

84.2469, 83.7395,
88.8189

41.2157, 61.7630,
77.4563

84.3904, 83.7969,
89.5742

41.2157, 61.7630,
77.4563

84.5346, 83.8546,
90.3338

84.6797, 83.9126,
91.0976

Harmonies

Analogous

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



56.9517, 69.7167, 68.1024



56.8599, 69.7167, 83.1329



59.1917, 69.7167, 97.9844

Triad

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



56.8599, 69.7167, 83.1329



73.5796, 69.7167, 98.9297



69.1292, 69.7167, 51.1915

Complementary

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



56.8599, 69.7167, 83.1329



52.0813, 44.9951, 41.0647

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.



73.8776, 69.7167, 57.4274



56.8599, 69.7167, 83.1329



76.5390, 69.7167, 84.2919

Square

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



56.8599, 69.7167, 83.1329



68.7400, 69.7167, 107.8932



76.6509, 69.7167, 69.1174



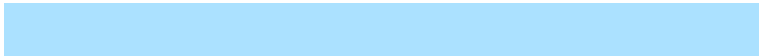
63.8475, 69.7167, 50.9681

Rectangle

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



56.8599, 69.7167, 83.1329



61.8823, 69.7167, 105.2331



76.6509, 69.7167, 69.1174



70.8470, 69.7167, 52.6123

Sweetspot

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



56.8619, 69.7195, 83.1345



86.9446, 95.8400, 107.6836



50.1349, 67.1101, 44.0309



18.3490, 20.3800, 23.0076



0.0000, 0.0000, 0.0000



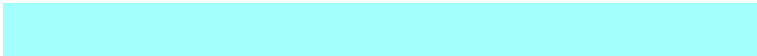
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8619, 69.7195, 83.1345



68.3187, 86.2930, 104.3267



49.3949, 54.1164, 82.7081



14.7789, 16.3250, 18.3666



23.3453, 34.9702, 43.9141



1.7336, 2.5876, 3.2896

Inverse Universe

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



52.0813, 44.9951, 41.0647



61.3658, 50.3227, 43.1325



57.9292, 57.1199, 41.6918



14.4023, 14.3781, 15.0529



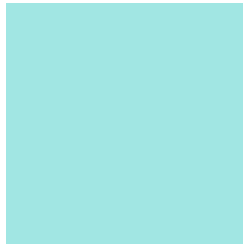
18.5176, 9.5413, 1.0887



1.3774, 0.7087, 0.1279

Previews

White Background



This preview shows how the XYZ color 56.8599, 69.7167, 83.1329 looks on a white background.

Color Contrast Check

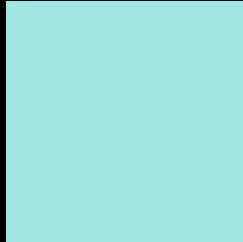
Large Text (above 18pt) WCAG AA × Fail

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 56.8599, 69.7167, 83.1329 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 56.8599, 69.7167, 83.1329

Background



This preview shows how black text looks on a background with the XYZ color 56.8599, 69.7167, 83.1329.

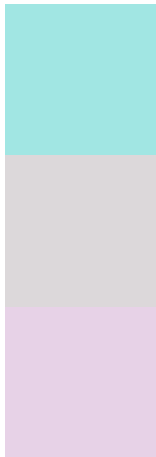


This preview shows how white text looks on a background with the XYZ color 56.8599, 69.7167,

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

56.8599, 69.7167, 83.1329

Protanopia

66.7260, 69.3893, 76.2063

Deuteranopia

70.4254, 68.8516, 85.1792



Tritanopia

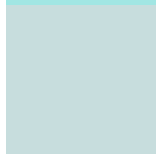
59.4676, 69.5301, 96.6726

Trichromacy



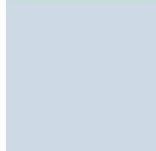
Original Color

56.8599, 69.7167, 83.1329



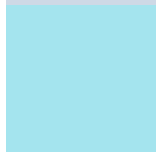
Protanomaly

62.4608, 69.0755, 78.4475



Deuteranomaly

64.5494, 68.4607, 84.6750



Tritanomaly

58.4859, 69.5524, 91.2313

Monochromacy



Original Color

56.8599, 69.7167, 83.1329



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.9458, 65.7900, 74.5577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8599, 69.7167, 83.1329 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(161, 230, 227)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 227)  
}
```

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(161, 230, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 227) }
```

Border

The CSS property to change the border of an element to XYZ 56.8599, 69.7167, 83.1329 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(161, 230, 227) }
```


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

```
.border{ border-color:rgb(161, 230, 227) }
```

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

Here you see how a box with a 4 pixel rgb(161, 230, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 230, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 230, 227);  
box-shadow:4px 4px 4px 4px rgb(161, 230,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8599, 69.7167, 83.1329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 227) }
```

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

```
.background{ background-color: rgb(161,  
230, 227) }
```

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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