

Converting Colors

XYZ(56.2913, 71.0981, 87.3064)

Have a look what the booklet for
XYZ(56.2913, 71.0981, 87.3064)
contains.

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Color

**XYZ(56.2010, 70.9677,
87.0800)**

Conversions

Conversions Part 1

Format	Color
Hex	94EAE8
RGB	148, 234, 232
RGB Percent	58%, 92%, 91%
CMY	0.4196, 0.0823, 0.0902
CMYK	0.37, 0.00, 0.01, 0.08
HSL	179°, 67%, 75%
HSV	179°, 37%, 92%
XYZ	56.2010, 70.9677, 87.0800
YIQ	208.0580, -50.6140, -18.8540

Conversions

Conversions Part 2

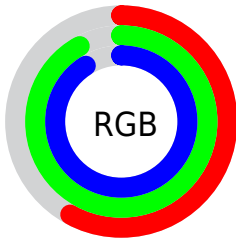
Format	Color
RYB	148, 192, 234
Decimal	9759464
CIELab	87.47, -26.32, -7.25
CIELCh	87, 27.301, 195.399
Yxy	70.9677, 0.2623, 0.3312
Android (android.graphics.Color)	4287949544 (0xFF94EAE8)
YUV	208.0580, 11.8034, -52.6709
Hunter-Lab	84.2423, -28.3405, -2.3175

Details

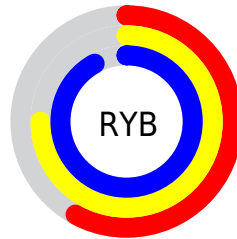
The XYZ color **56.2010, 70.9677, 87.0800** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.0290, 40.8762, 34.1097**, and the grayscale version is **59.9429, 63.0646, 68.6773**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **28.1705, 37.2507, 46.7797** is the 20% darker color. If you saturate the color by 10%, you get **52.3120, 68.9735, 86.4961**, and if you desaturate by 10%, it is **60.9500, 73.4087, 87.7085**.

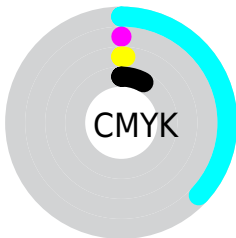
Distribution



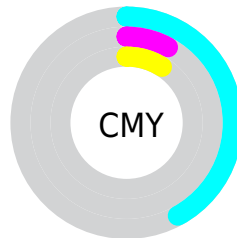
- Red (58%)
- Green (92%)
- Blue (91%)



- Red (58%)
- Yellow (75%)
- Blue (92%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (42%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2010, 70.9677, 87.0800 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 56.2010, 70.9677, 87.0800 by changing the saturation by 10% instead.

56.2010, 70.9677,
87.0800

56.2010, 70.9677,
87.0800

400.5113,
463.9405, 538.8087

40.6017, 52.3158,
65.0014

98.4365, 120.5877,
145.1755

28.1943, 37.2569,
47.0109

125.8035,
152.3247, 182.0295

18.6134, 25.4064,
32.6898

157.8237,
189.1921, 224.6457

11.4936, 16.3801,
21.6198

194.8625,
231.5745, 273.4426

6.4696, 9.7935,
13.3822

237.2854,
279.8561, 328.8389

3.1760, 5.2623,
7.5584

285.4575,

1.2475, 2.4020,

334.4214, 391.2529

3.7300

339.7444,
395.6547, 461.1034

■ 0.1434, 0.8269,
1.4784

■ 0.0000, 0.0000,
0.2018

■ 56.2010, 70.9677,
87.0800

■ 56.2010, 70.9677,
87.0800

■ 52.3120, 68.9735,
86.4961

■ 60.9500, 73.4087,
87.7085

■ 49.2249, 67.3910,
85.9494


■ 66.6002, 76.3125,
88.3788


■ 46.8842, 66.1932,
85.4390

■ 73.1978, 79.7046,
89.0948


■ 45.2249, 65.3466,
84.9616


■ 80.7839, 83.6064,
89.8583


 44.1707, 64.8120,
84.5139


 85.6198, 86.0903,
90.4943

 43.6247, 64.5393,
84.0911

 85.6986, 86.1218,
90.9090

 43.5049, 64.4803,
83.9568

 85.7776, 86.1534,
91.3249

 85.8568, 86.1851,
91.7421

 85.9363, 86.2169,
92.1606

Harmonies

Analogous

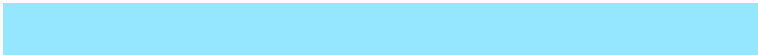
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.1615, 70.9677, 68.6691



56.2010, 70.9677, 87.0800



59.1232, 70.9677, 105.3837

Triad

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



56.2010, 70.9677, 87.0800



76.6626, 70.9677, 104.9548



70.6238, 70.9677, 47.7744

Complementary

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



56.2010, 70.9677, 87.0800



50.0290, 40.8762, 34.1097

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.



76.5299, 70.9677, 54.6646



56.2010, 70.9677, 87.0800



80.1640, 70.9677, 86.5644

Square

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



56.2010, 70.9677, 87.0800



70.7957, 70.9677, 116.7691



80.1140, 70.9677, 68.2291



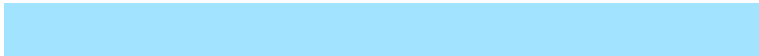
64.2166, 70.9677, 47.8672

Rectangle

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



56.2010, 70.9677, 87.0800



62.4261, 70.9677, 114.2243



80.1140, 70.9677, 68.2291



72.7420, 70.9677, 49.2958

Sweetspot

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



56.2031, 70.9705, 87.0816



85.3678, 95.0208, 107.8989



47.5080, 67.5531, 38.5535



18.0384, 20.2181, 23.0694



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.



56.2031, 70.9705, 87.0816



64.6853, 84.3947, 105.2983



46.3282, 50.7629, 85.2015



15.5016, 17.1155, 19.3245



24.4533, 36.2358, 47.2138



1.9250, 2.8473, 3.7329

Inverse Universe

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



50.0290, 40.8762, 34.1097



56.1752, 42.9020, 32.2753



57.2911, 55.6564, 35.7416



15.0797, 15.0597, 15.7050



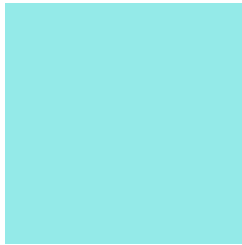
19.0909, 9.8390, 1.0140



1.5041, 0.7746, 0.1060

Previews

White Background



This preview shows how the XYZ color 56.2010, 70.9677, 87.0800 looks on a white background.

Color Contrast Check

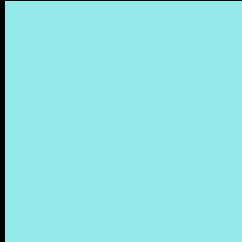
Large Text (above 18pt) WCAG AA × Fail

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 56.2010, 70.9677, 87.0800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

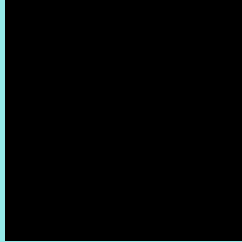
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2010, 70.9677, 87.0800

Background



This preview shows how black text looks on a background with the XYZ color 56.2010, 70.9677, 87.0800.

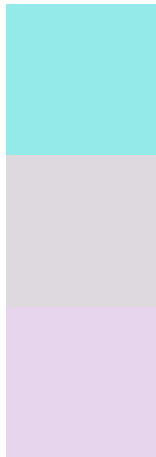


This preview shows how white text looks on a background with the XYZ color 56.2010, 70.9677,

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

56.2010, 70.9677, 87.0800

Protanopia

67.8165, 70.2718, 79.0967

Deuteranopia

71.7845, 70.1903, 89.8854



Tritanopia

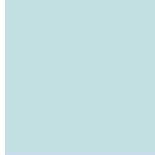
58.9681, 70.8263, 101.0054

Trichromacy



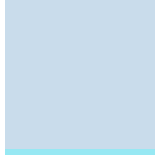
Original Color

56.2010, 70.9677, 87.0800



Protanomaly

62.3633, 69.7357, 82.1249



Deuteranomaly

64.6760, 69.6021, 88.6230



Tritanomaly

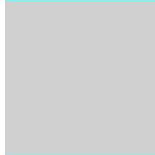
57.7968, 70.7636, 95.4065

Monochromacy



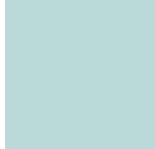
Original Color

56.2010, 70.9677, 87.0800



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.5869, 65.0746, 75.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2010, 70.9677, 87.0800 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(148, 234, 232)` looks like.

```
.text, #text, p{  
    color:rgb(148, 234, 232)  
}
```

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(148, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 234, 232) }
```

Border

The CSS property to change the border of an element to XYZ 56.2010, 70.9677, 87.0800 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(148, 234, 232) }
```


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

```
.border{ border-color:rgb(148, 234, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 234, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(148, 234,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2010, 70.9677, 87.0800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 234, 232) }
```

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

```
.background{ background-color: rgb(148,  
234, 232) }
```

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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