

Converting Colors

XYZ(56.2891, 70.3771, 88.0506)

Have a look what the booklet for
XYZ(56.2891, 70.3771, 88.0506)
contains.

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Color

**XYZ(56.4246, 70.6450,
87.7528)**

Conversions

Conversions Part 1

Format	Color
Hex	96E9E9
RGB	150, 233, 233
RGB Percent	59%, 91%, 91%
CMY	0.4117, 0.0863, 0.0863
CMYK	0.36, 0.00, 0.00, 0.09
HSL	180°, 65%, 75%
HSV	180°, 36%, 91%
XYZ	56.4246, 70.6450, 87.7528
YIQ	208.1830, -49.4680, -17.5960

Conversions

Conversions Part 2

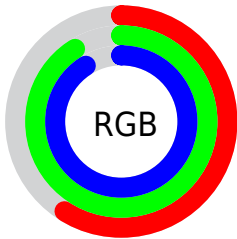
Format	Color
RYB	150, 192, 233
Decimal	9890281
CIELab	87.31, -25.09, -8.00
CIELCh	87, 26.332, 197.680
Yxy	70.6450, 0.2627, 0.3289
Android (android.graphics.Color)	4288080361 (0xFF96E9E9)
YUV	208.1830, 12.2348, -51.0265
Hunter-Lab	84.0506, -27.2584, -3.0662

Details

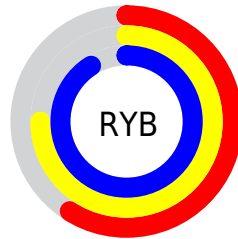
The XYZ color **56.4246, 70.6450, 87.7528** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.0181, 41.3405, 34.2001**, and the grayscale version is **60.0207, 63.1465, 68.7665**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **28.2740, 36.9983, 47.2462** is the 20% darker color. If you saturate the color by 10%, you get **52.5565, 68.6527, 87.5728**, and if you desaturate by 10%, it is **61.1493, 73.0824, 87.9759**.

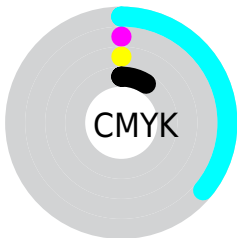
Distribution



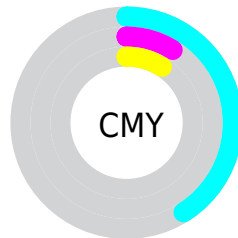
- Red (59%)
- Green (91%)
- Blue (91%)



- Red (59%)
- Yellow (75%)
- Blue (91%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (41%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4246, 70.6450, 87.7528 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 56.4246, 70.6450, 87.7528 by changing the saturation by 10% instead.

56.4246, 70.6450,
87.7528

56.4246, 70.6450,
87.7528

401.3388,
462.8115, 541.0737

40.7818, 52.0525,
65.5552

98.7613, 120.1281,
146.1211

28.3355, 37.0470,
47.4572

126.1860,
151.7876, 183.1288

18.7205, 25.2438,
33.0403

158.2686,
188.5714, 225.9103

11.5713, 16.2588,
21.8860

195.3745,
230.8642, 274.8842

6.5226, 9.7075,
13.5756

237.8692,
279.0502, 330.4689

3.2090, 5.2054,
7.6907

286.1179,

1.2652, 2.3683,

333.5138, 393.0830

3.8128

340.4860,
394.6394, 463.1451

■ 0.1570, 0.8095,
1.5232

■ 0.0000, 0.0000,
0.2351

■ 56.4246, 70.6450,
87.7528

■ 56.4246, 70.6450,
87.7528

■ 52.5565, 68.6527,
87.5728

■ 61.1493, 73.0824,
87.9759

■ 49.4880, 67.0708,
87.4287

■ 66.7711, 75.9805,
88.2395

■ 47.1649, 65.8732,
87.3195

■ 73.3351, 79.3644,
88.5472

■ 45.5240, 65.0273,
87.2422

■ 80.8818, 83.2548,
88.9009

■ 44.4912, 64.4949,
87.1934

■ 85.0887, 85.4236,
89.0983

■ 43.9754, 64.2290,
87.1688

■ 85.0888, 85.4236,
89.0987

■ 43.8477, 64.1631,
87.1626

■ 85.0889, 85.4237,
89.0992

■ 85.0890, 85.4237,
89.0997

■ 85.0891, 85.4237,
89.1002

Harmonies

Analogous

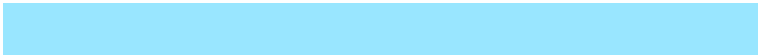
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.1682, 70.6450, 69.8689



56.4246, 70.6450, 87.7528



59.4415, 70.6450, 105.0011

Triad

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



56.4246, 70.6450, 87.7528



76.3439, 70.6450, 102.2494



69.7196, 70.6450, 48.1744

Complementary

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



56.4246, 70.6450, 87.7528



50.0181, 41.3405, 34.2001

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.



75.4890, 70.6450, 54.3537



56.4246, 70.6450, 87.7528



79.4682, 70.6450, 84.4310

Square

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



56.4246, 70.6450, 87.7528



70.8288, 70.6450, 114.2150



79.1460, 70.6450, 67.0183



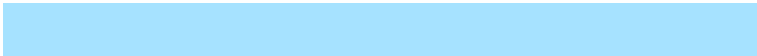
63.5930, 70.6450, 48.7814

Rectangle

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



56.4246, 70.6450, 87.7528



62.7231, 70.6450, 112.9900



79.1460, 70.6450, 67.0183



71.7719, 70.6450, 49.4819

Sweetspot

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



56.4267, 70.6478, 87.7544



85.4727, 95.0627, 108.4511



47.4799, 67.0987, 39.3047



18.0636, 20.2282, 23.2022



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.



56.4267, 70.6478, 87.7544



65.5483, 84.7914, 107.5167



46.3320, 50.4580, 84.3912



15.5177, 17.1219, 19.4091



24.8791, 36.4061, 49.4560



1.9536, 2.8588, 3.8835

Inverse Universe

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



50.0181, 41.3405, 34.2001



56.5571, 43.6732, 32.3799



57.5505, 56.4057, 36.7100



15.0655, 15.0541, 15.6305



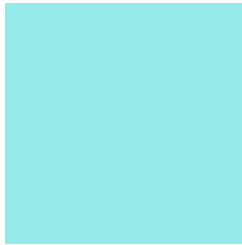
19.0678, 9.8298, 0.8925



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 56.4246, 70.6450, 87.7528 looks on a white background.

Color Contrast Check

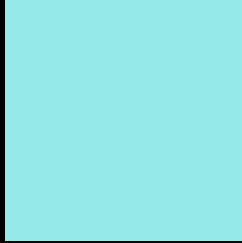
Large Text (above 18pt) WCAG AA × Fail

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 56.4246, 70.6450, 87.7528 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 56.4246, 70.6450, 87.7528

Background



This preview shows how black text looks on a background with the XYZ color 56.4246, 70.6450, 87.7528.

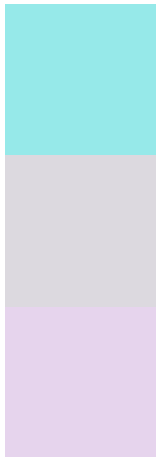


This preview shows how white text looks on a background with the XYZ color 56.4246, 70.6450,

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

56.4246, 70.6450, 87.7528

Protanopia

67.6473, 70.1691, 79.7906

Deuteranopia

71.4627, 70.0244, 89.8703



Tritanopia

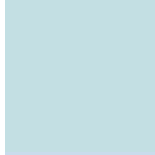
59.0012, 70.8614, 100.1905

Trichromacy



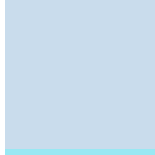
Original Color

56.4246, 70.6450, 87.7528



Protanomaly

62.7585, 69.9235, 82.8619



Deuteranomaly

64.8209, 69.6600, 89.3862



Tritanomaly

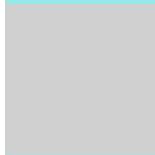
58.1711, 70.9566, 95.4241

Monochromacy



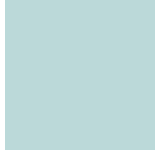
Original Color

56.4246, 70.6450, 87.7528



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.8308, 65.2003, 75.1825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4246, 70.6450, 87.7528 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(150, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(150, 233, 233)  
}
```

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(150, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 233, 233) }
```

Border

The CSS property to change the border of an element to XYZ 56.4246, 70.6450, 87.7528 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(150, 233, 233) }
```


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

```
.border{ border-color:rgb(150, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(150, 233,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4246, 70.6450, 87.7528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 233, 233) }
```

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

```
.background{ background-color: rgb(150,  
233, 233) }
```

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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