

Converting Colors

XYZ(56.8859, 71.7920, 89.6363)

Have a look what the booklet for
XYZ(56.8859, 71.7920, 89.6363)
contains.

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Color

**XYZ(56.7363, 71.6179,
89.4306)**

Conversions

Conversions Part 1

Format	Color
Hex	93EBEB
RGB	147, 235, 235
RGB Percent	58%, 92%, 92%
CMY	0.4235, 0.0784, 0.0784
CMYK	0.37, 0.00, 0.00, 0.08
HSL	180°, 69%, 75%
HSV	180°, 37%, 92%
XYZ	56.7363, 71.6179, 89.4306
YIQ	208.6880, -52.4480, -18.6560

Conversions

Conversions Part 2

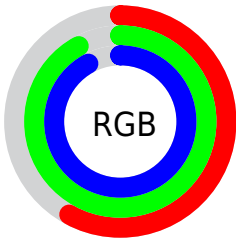
Format	Color
RYB	147, 191, 235
Decimal	9694187
CIELab	87.78, -26.35, -8.36
CIElCh	88, 27.646, 197.606
Yxy	71.6179, 0.2605, 0.3288
Android (android.graphics.Color)	4287884267 (0xFF93EBEB)
YUV	208.6880, 12.9718, -54.1004
Hunter-Lab	84.6274, -28.4270, -3.4160

Details

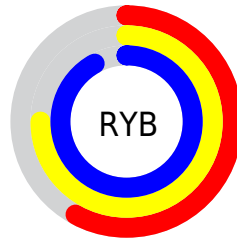
The XYZ color **56.7363, 71.6179, 89.4306** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.9635, 40.6381, 32.8168**, and the grayscale version is **60.3455, 63.4881, 69.1386**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **28.4732, 37.6685, 48.4179** is the 20% darker color. If you saturate the color by 10%, you get **52.9456, 69.6655, 89.2542**, and if you desaturate by 10%, it is **61.3920, 74.0197, 89.6506**.

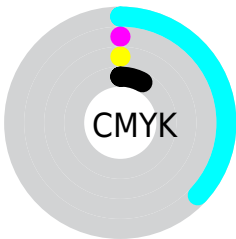
Distribution



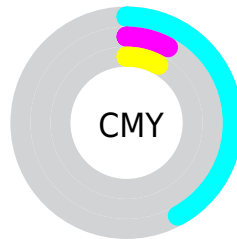
- Red (58%)
- Green (92%)
- Blue (92%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7363, 71.6179, 89.4306 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 56.7363, 71.6179, 89.4306 by changing the saturation by 10% instead.

■ 56.7363, 71.6179,
89.4306

■ 56.7363, 71.6179,
89.4306

402.4906,
466.2106, 546.6991

■ 41.0329, 52.8466,
66.9374

■ 99.2139, 121.5131,
148.4758

■ 28.5326, 37.6803,
48.5725

■ 126.7188,
153.4059, 185.8650

■ 18.8700, 25.7347,
33.9173

158.8882,
190.4412, 229.0565

■ 11.6798, 16.6253,
22.5532

196.0875,
233.0035, 278.4690

■ 6.5967, 9.9677,
14.0618

238.6820,
281.4772, 334.5209

■ 3.2553, 5.3775,
8.0244

287.0372,

■ 1.2901, 2.4704,

336.2467, 397.6309

4.0226

341.5182,
397.6963, 468.2175

■ 0.1758, 0.8618,
1.6377

■ 0.0000, 0.0000,
0.3175

■ 56.7363, 71.6179,
89.4306

■ 56.7363, 71.6179,
89.4306

■ 52.9456, 69.6655,
89.2542

■ 61.3920, 74.0197,
89.6506

■ 49.9608, 68.1268,
89.1140

■ 66.9546, 76.8873,
89.9114


■ 47.7254, 66.9744,
89.0089


■ 73.4710, 80.2467,
90.2169


■ 46.1731, 66.1741,
88.9357


■ 80.9830, 84.1192,
90.5690


 45.2257, 65.6857,
88.8908


 85.9457, 86.6776,
90.8018


 44.7797, 65.4559,
88.8694

 85.9458, 86.6776,
90.8023

 44.7046, 65.4171,
88.8657

 85.9459, 86.6777,
90.8029

 85.9460, 86.6777,
90.8034

 85.9461, 86.6777,
90.8040

Harmonies

Analogous

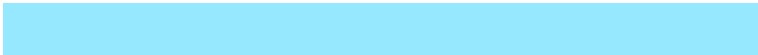
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4737, 71.6179, 70.4765



56.7363, 71.6179, 89.4306



59.9114, 71.6179, 107.8337

Triad

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



56.7363, 71.6179, 89.4306



77.8228, 71.6179, 104.9750



70.8155, 71.6179, 47.7378

Complementary

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



56.7363, 71.6179, 89.4306



49.9635, 40.6381, 32.8168

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.



76.9390, 71.6179, 54.2170



56.7363, 71.6179, 89.4306



81.1556, 71.6179, 85.9975

Square

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



56.7363, 71.6179, 89.4306



71.9596, 71.6179, 117.7521



80.8222, 71.6179, 67.5506



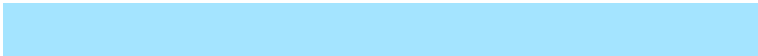
64.3244, 71.6179, 48.3537

Rectangle

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



56.7363, 71.6179, 89.4306



63.3750, 71.6179, 116.3980



80.8222, 71.6179, 67.5506



72.9927, 71.6179, 49.1086

Sweetspot

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



56.7384, 71.6207, 89.4323



85.4726, 95.0627, 108.4511



47.2742, 67.8656, 38.2129



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.



56.7384, 71.6207, 89.4323



64.6668, 84.3370, 107.4752



45.9824, 50.1080, 85.8488



15.5177, 17.1219, 19.4091



24.8791, 36.4061, 49.4558



1.9536, 2.8588, 3.8835

Inverse Universe

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



49.9635, 40.6381, 32.8168



55.4070, 41.9903, 30.0937



57.8424, 56.3963, 35.4421



15.0656, 15.0541, 15.6305



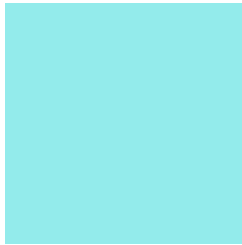
19.0678, 9.8298, 0.8925



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 56.7363, 71.6179, 89.4306 looks on a white background.

Color Contrast Check

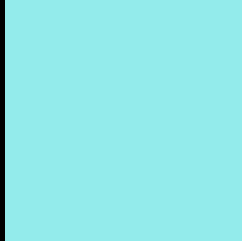
Large Text (above 18pt) WCAG AA × Fail

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 56.7363, 71.6179, 89.4306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

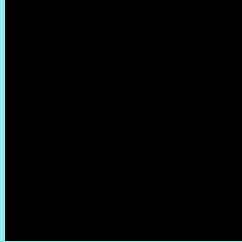
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7363, 71.6179, 89.4306

Background



This preview shows how black text looks on a background with the XYZ color 56.7363, 71.6179, 89.4306.

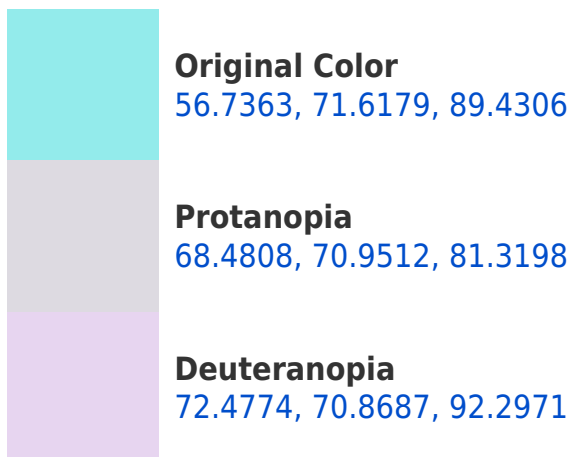


This preview shows how white text looks on a background with the XYZ color 56.7363, 71.6179,

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





Tritanopia

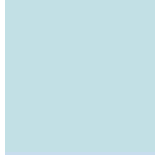
59.3140, 71.8222, 102.0037

Trichromacy



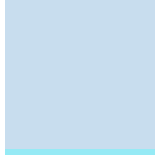
Original Color

56.7363, 71.6179, 89.4306



Protanomaly

63.0466, 70.4378, 84.4017



Deuteranomaly

65.1085, 70.1653, 91.0006



Tritanomaly

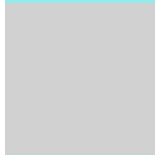
58.4819, 71.9222, 97.1863

Monochromacy



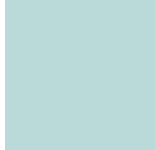
Original Color

56.7363, 71.6179, 89.4306



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

57.9760, 65.6439, 75.9445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7363, 71.6179, 89.4306 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(147, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(147, 235, 235)  
}
```

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(147, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 235, 235) }
```

Border

The CSS property to change the border of an element to XYZ 56.7363, 71.6179, 89.4306 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(147, 235, 235) }
```


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

```
.border{ border-color:rgb(147, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(147, 235,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7363, 71.6179, 89.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 235, 235) }
```

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

```
.background{ background-color: rgb(147,  
235, 235) }
```

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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