

Converting Colors

XYZ(56.3373, 72.0916, 96.8461)

Have a look what the booklet for
XYZ(56.3373, 72.0916, 96.8461)
contains.

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Color

**XYZ(56.2862, 72.0866,
96.5355)**

Conversions

Conversions Part 1

Format	Color
Hex	85EDF4
RGB	133, 237, 244
RGB Percent	52%, 93%, 96%
CMY	0.4784, 0.0706, 0.0431
CMYK	0.45, 0.03, 0.00, 0.04
HSL	184°, 83%, 74%
HSV	184°, 45%, 96%
XYZ	56.2862, 72.0866, 96.5355
YIQ	206.7020, -64.2310, -19.8710

Conversions

Conversions Part 2

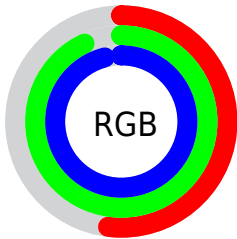
Format	Color
R _Y B	133, 187, 244
Decimal	8777204
CIE Lab	88.01, -28.44, -12.81
CIE LCh	88, 31.191, 204.242
Yxy	72.0866, 0.2503, 0.3205
Android (android.graphics.Color)	4286967284 (0xFF85EDF4)
YUV	206.7020, 18.3879, -64.6367
Hunter-Lab	84.9038, -30.2468, -7.9799

Details

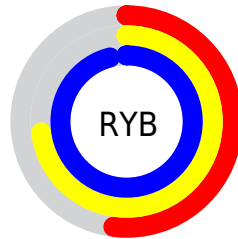
The XYZ color **56.2862, 72.0866, 96.5355** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.9212, 39.6839, 27.1680**, and the grayscale version is **59.0335, 62.1078, 67.6354**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **28.2735, 38.0563, 53.4324** is the 20% darker color. If you saturate the color by 10%, you get **52.4294, 69.4417, 96.2295**, and if you desaturate by 10%, it is **61.0458, 75.2060, 96.8880**.

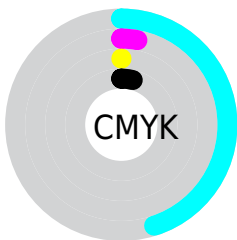
Distribution



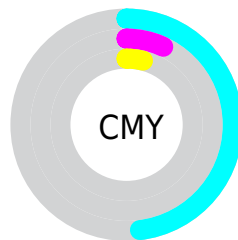
- Red (52%)
- Green (93%)
- Blue (96%)



- Red (52%)
- Yellow (73%)
- Blue (96%)



- Cyan (45%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2862, 72.0866, 96.5355 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 56.2862, 72.0866, 96.5355 by changing the saturation by 10% instead.

56.2862, 72.0866,
96.5355

56.2862, 72.0866,
96.5355

400.8267,
467.8430, 570.1785

40.6703, 53.2294,
72.8097

98.5603, 122.1796,
158.3980

28.2481, 37.9859,
53.3295

125.9492,
154.1843, 197.3719

18.6542, 25.9718,
37.6763

157.9932,
191.3402, 242.2654

11.5232, 16.8025,
25.4317

195.0577,
234.0319, 293.4973

6.4898, 10.0938,
16.1770

237.5079,
282.6435, 351.4860

3.1886, 5.4612,
9.4938

285.7092,

1.2543, 2.5203,

337.5597, 416.6501

4.9635

340.0271,
399.1647, 489.4081

■ 0.1486, 0.8868,
2.1675

■ 0.0000, 0.0000,
0.6555

■ 56.2862, 72.0866,
96.5355

■ 56.2862, 72.0866,
96.5355

■ 52.4294, 69.4417,
96.2295

■ 61.0458, 75.2060,
96.8880

■ 49.4060, 67.2304,
95.9620

■ 66.7586, 78.8208,
97.2846

■ 47.1474, 65.4189,
95.7314

■ 73.4788, 82.9606,
97.7295

■ 45.5705, 63.9646,
95.5338

■ 81.2548, 87.6504,
98.2249

■ 44.5733, 62.8147,
95.3645

■ 90.1297, 92.9124,
98.7728

■ 44.2434, 62.3597,
95.2940

■ 90.5963, 93.8455,
98.9283

■ 91.0667, 94.7864,
99.0851

■ 91.5410, 95.7350,
99.2432

■ 92.0192, 96.6915,
99.4026

Harmonies

Analogous

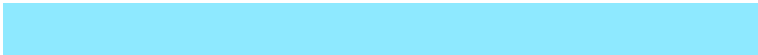
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2498, 72.0866, 74.4521



56.2862, 72.0866, 96.5355



60.4944, 72.0866, 116.6371

Triad

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



56.2862, 72.0866, 96.5355



80.7885, 72.0866, 104.9385



69.9610, 72.0866, 44.3858

Complementary

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



56.2862, 72.0866, 96.5355



50.9212, 39.6839, 27.1680

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.



77.2174, 72.0866, 49.7250



56.2862, 72.0866, 96.5355



83.7523, 72.0866, 82.6715

Square

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



56.2862, 72.0866, 96.5355



74.5571, 72.0866, 122.0705



82.4005, 72.0866, 62.8464



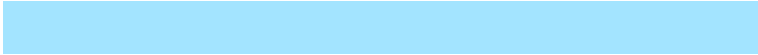
62.8106, 72.0866, 46.7550

Rectangle

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



56.2862, 72.0866, 96.5355



64.7053, 72.0866, 124.8732



82.4005, 72.0866, 62.8464



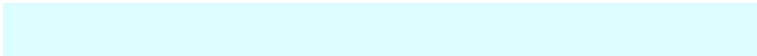
72.4738, 72.0866, 45.3033

Sweetspot

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



56.2884, 72.0894, 96.5372



82.4000, 92.4190, 108.1035



46.6525, 71.5404, 35.6057



17.2645, 19.5547, 23.1145



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.



56.2884, 72.0894, 96.5372



58.0913, 76.8557, 106.3806



42.9269, 45.3665, 92.0834



16.9020, 18.5683, 21.2358



24.0951, 33.9840, 51.8277



2.1443, 3.0400, 4.5640

Inverse Universe

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



60.9836, 42.1245, 85.0405



64.0011, 40.1281, 91.6884



60.8464, 59.5342, 30.4764



17.1659, 16.7492, 20.6200



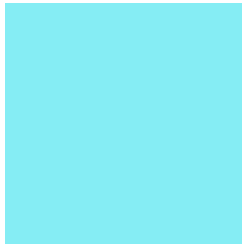
27.9666, 13.5301, 41.3941



2.4714, 1.1945, 3.7088

Previews

White Background



This preview shows how the XYZ color 56.2862, 72.0866, 96.5355 looks on a white background.

Color Contrast Check

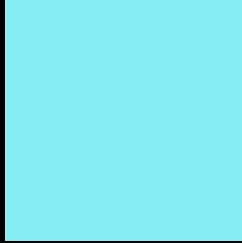
Large Text (above 18pt) WCAG AA × Fail

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 56.2862, 72.0866, 96.5355 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 56.2862, 72.0866, 96.5355

Background



This preview shows how black text looks on a background with the XYZ color 56.2862, 72.0866, 96.5355.

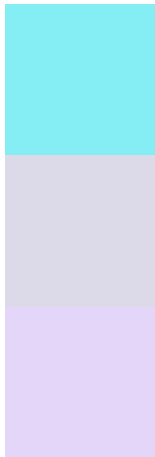


This preview shows how white text looks on a background with the XYZ color 56.2862, 72.0866,

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

56.2862, 72.0866, 96.5355

Protanopia

69.1521, 71.1846, 86.4392

Deuteranopia

72.8240, 71.2636, 99.5395



Tritanopia

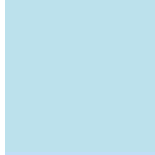
57.7511, 71.8067, 104.5822

Trichromacy



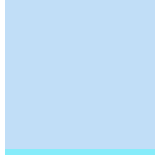
Original Color

56.2862, 72.0866, 96.5355



Protanomaly

62.8046, 70.5979, 89.6735



Deuteranomaly

64.9021, 70.2954, 98.1434



Tritanomaly

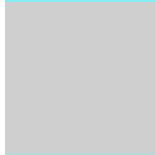
57.2424, 72.0439, 101.3314

Monochromacy



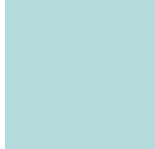
Original Color

56.2862, 72.0866, 96.5355



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.8121, 65.0134, 77.2647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2862, 72.0866, 96.5355 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(133, 237, 244)` looks like.

```
.text, #text, p{  
    color:rgb(133, 237, 244)  
}
```

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(133, 237, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 237, 244) }
```

Border

The CSS property to change the border of an element to XYZ 56.2862, 72.0866, 96.5355 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(133, 237, 244) }
```


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

```
.border{ border-color:rgb(133, 237, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 237, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 237, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 237, 244);  
box-shadow:4px 4px 4px 4px rgb(133, 237,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2862, 72.0866, 96.5355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 237, 244) }
```

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

```
.background{ background-color: rgb(133,  
237, 244) }
```

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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