

Converting Colors

XYZ(57.9598, 71.7407, 96.7031)

Have a look what the booklet for
XYZ(57.9598, 71.7407, 96.7031)
contains.

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Color

**XYZ(57.7846, 71.5803,
96.3588)**

Conversions

Conversions Part 1

Format	Color
Hex	93EAF4
RGB	147, 234, 244
RGB Percent	58%, 92%, 96%
CMY	0.4235, 0.0823, 0.0431
CMYK	0.40, 0.04, 0.00, 0.04
HSL	186°, 82%, 77%
HSV	186°, 40%, 96%
XYZ	57.7846, 71.5803, 96.3588
YIQ	209.1270, -55.0620, -15.3340

Conversions

Conversions Part 2

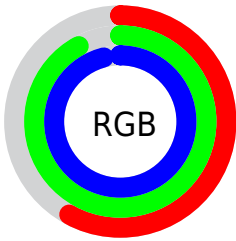
Format	Color
R _Y B	147, 193, 244
Decimal	9693940
CIE _{Lab}	87.77, -23.70, -13.11
CIE _{LCh}	88, 27.080, 208.955
Y _{xy}	71.5803, 0.2560, 0.3171
Android (android.graphics.Color)	4287884020 (0xFF93EAF4)
YUV	209.1270, 17.1924, -54.4854
Hunter-Lab	84.6051, -26.1450, -8.3032

Details

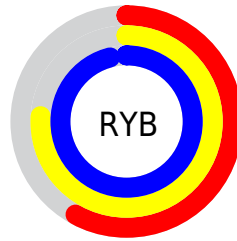
The XYZ color **57.7846, 71.5803, 96.3588** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.6329, 45.4548, 33.4998**, and the grayscale version is **60.6061, 63.7623, 69.4372**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **29.2139, 37.6453, 53.3035** is the 20% darker color. If you saturate the color by 10%, you get **53.1542, 68.1395, 95.9400**, and if you desaturate by 10%, it is **63.3573, 75.5254, 96.8278**.

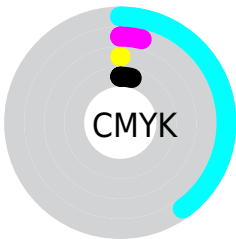
Distribution



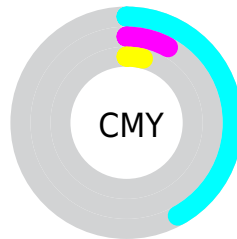
- Red (58%)
- Green (92%)
- Blue (96%)



- Red (58%)
- Yellow (76%)
- Blue (96%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (42%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7846, 71.5803, 96.3588 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 57.7846, 71.5803, 96.3588 by changing the saturation by 10% instead.

57.7846, 71.5803,
96.3588

57.7846, 71.5803,
96.3588

406.3496,
466.0795, 569.6010

41.8781, 52.8159,
72.6633

100.7339,
121.4596, 158.1522

29.1965, 37.6558,
53.2105

128.5074,
153.3434, 197.0872

19.3746, 25.7157,
37.5820

160.9673,
190.3690, 241.9391

12.0469, 16.6111,
25.3591

198.4788,
232.9209, 293.1264

6.8480, 9.9576,
16.1234

241.4075,
281.3835, 351.0677

3.4127, 5.3708,
9.4562

290.1187,

1.3756, 2.4664,

336.1412, 416.1816

4.9391

344.9776,
397.5784, 488.8865

■ 0.2387, 0.8598,
2.1534

■ 0.0000, 0.0000,
0.6473

■ 57.7846, 71.5803,
96.3588

■ 57.7846, 71.5803,
96.3588

■ 53.1542, 68.1395,
95.9400

■ 63.3573, 75.5254,
96.8278

■ 49.4006, 65.1640,
95.5635

■ 69.9200, 79.9942,
97.3445

■ 46.4597, 62.6225,
95.2279

■ 77.5247, 85.0154,
97.9129

■ 44.2562, 60.4761,
94.9297

■ 86.2179, 90.6131,
98.5351

■ 42.7003, 58.6783,
94.6647

■ 90.7015, 94.0559,
98.9634

■ 41.6461, 57.1539,
94.4261

■ 91.4740, 95.6011,
99.2209

■ 41.6223, 57.1176,
94.4203

■ 92.2570, 97.1671,
99.4819

■ 93.0505, 98.7539,
99.7464

■ 93.3294, 99.3118,
99.8393

Harmonies

Analogous

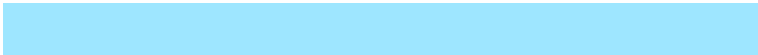
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4121, 71.5803, 77.2950



57.7846, 71.5803, 96.3588



61.8588, 71.5803, 112.3633

Triad

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



57.7846, 71.5803, 96.3588



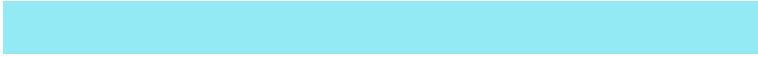
79.1813, 71.5803, 97.6526



68.2606, 71.5803, 47.6381

Complementary

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



57.7846, 71.5803, 96.3588



54.6329, 45.4548, 33.4998

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.



74.6091, 71.5803, 51.3789



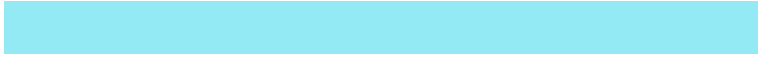
57.7846, 71.5803, 96.3588



81.1537, 71.5803, 78.5862

Square

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



57.7846, 71.5803, 96.3588



74.1946, 71.5803, 113.1892



79.4310, 71.5803, 62.0298



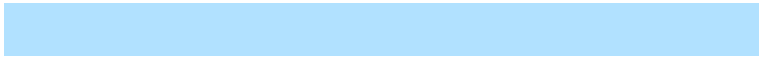
62.2259, 71.5803, 50.8914

Rectangle

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



57.7846, 71.5803, 96.3588



65.6947, 71.5803, 118.0909



79.4310, 71.5803, 62.0298



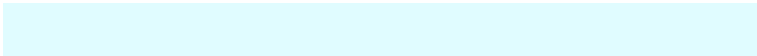
70.4300, 71.5803, 48.1076

Sweetspot

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



57.7868, 71.5831, 96.3605



83.6767, 92.6554, 108.0818



50.4452, 73.3300, 43.2614



17.6679, 19.6729, 23.1160



0.0000, 0.0000, 0.0000



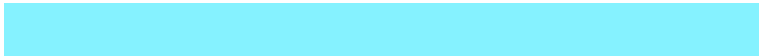
20.3446, 21.4041, 23.3091

Same Dimension

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



57.7868, 71.5831, 96.3605



59.5264, 75.9071, 106.1219



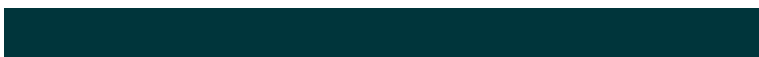
45.8803, 47.7702, 92.3917



16.8422, 18.4488, 21.2159



22.6909, 31.1755, 51.3596



2.0355, 2.8225, 4.5277

Inverse Universe

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



62.5951, 46.0430, 83.4329



65.6576, 44.3596, 89.4088



64.4555, 65.0998, 36.7740



17.1357, 16.7371, 20.4611



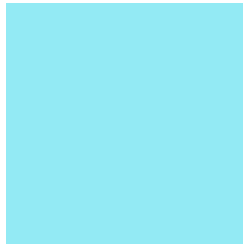
27.2578, 13.2466, 37.6616



2.4165, 1.1726, 3.4197

Previews

White Background



This preview shows how the XYZ color 57.7846, 71.5803, 96.3588 looks on a white background.

Color Contrast Check

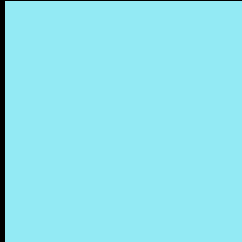
Large Text (above 18pt) WCAG AA × Fail

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 57.7846, 71.5803, 96.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

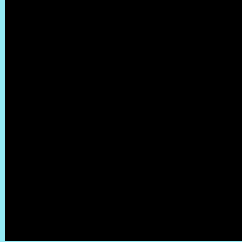
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.7846, 71.5803, 96.3588

Background



This preview shows how black text looks on a background with the XYZ color 57.7846, 71.5803, 96.3588.

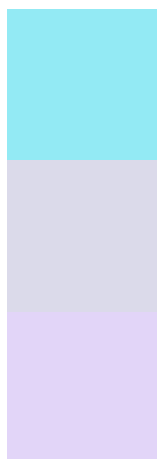


This preview shows how white text looks on a background with the XYZ color 57.7846, 71.5803,

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

57.7846, 71.5803, 96.3588

Protanopia

69.1361, 71.1434, 87.9301

Deuteranopia

72.1016, 70.5346, 98.6213



Tritanopia

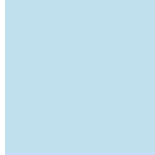
59.1040, 71.6957, 102.8190

Trichromacy



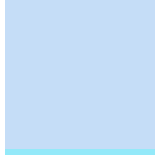
Original Color

57.7846, 71.5803, 96.3588



Protanomaly

64.0806, 70.8218, 91.1815



Deuteranomaly

65.6709, 70.2986, 98.1035



Tritanomaly

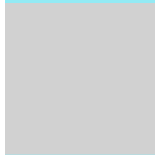
58.4505, 71.4133, 100.3260

Monochromacy



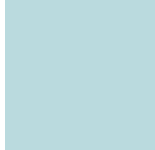
Original Color

57.7846, 71.5803, 96.3588



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.5059, 65.8558, 78.7351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7846, 71.5803, 96.3588 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, 234, 244)` looks like.

```
.text, #text, p{  
    color:rgb(147, 234, 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(147, 234, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 234, 244) }
```

Border

The CSS property to change the border of an element to XYZ 57.7846, 71.5803, 96.3588 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, 234, 244) }
```


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

```
.border{ border-color:rgb(147, 234, 244) }
```

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

Here you see how a box with a 4 pixel rgb(147, 234, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(147, 234,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7846, 71.5803, 96.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 234, 244) }
```

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

```
.background{ background-color: rgb(147,  
234, 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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