

Converting Colors

XYZ(56.2529, 70.8999,
100.1971)

Have a look what the booklet for
XYZ(56.2529, 70.8999, 100.1971)
contains.

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Color

**XYZ(56.1946, 70.6717,
100.3018)**

Conversions

Conversions Part 1

Format	Color
Hex	85EAF9
RGB	133, 234, 249
RGB Percent	52%, 92%, 98%
CMY	0.4784, 0.0823, 0.0235
CMYK	0.47, 0.06, 0.00, 0.02
HSL	188°, 91%, 75%
HSV	188°, 47%, 98%
XYZ	56.1946, 70.6717, 100.3018
YIQ	205.5110, -65.0110, -16.7470

Conversions

Conversions Part 2

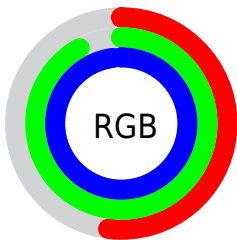
Format	Color
R _Y B	133, 187, 249
Decimal	8776441
CIE Lab	87.33, -25.72, -16.45
CIE LCh	87, 30.530, 212.613
Yxy	70.6717, 0.2474, 0.3111
Android (android.graphics.Color)	4286966521 (0xFF85EAF9)
YUV	205.5110, 21.4401, -63.5921
Hunter-Lab	84.0665, -27.7972, -11.8939

Details

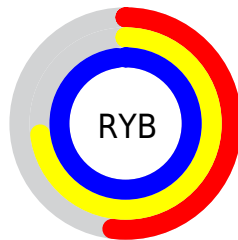
The XYZ color **56.1946, 70.6717, 100.3018** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.8920, 43.0145, 27.6546**, and the grayscale version is **58.2530, 61.2867, 66.7412**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **28.2185, 37.0688, 56.1198** is the 20% darker color. If you saturate the color by 10%, you get **51.8119, 67.0655, 99.8380**, and if you desaturate by 10%, it is **61.5300, 74.7969, 100.8181**.

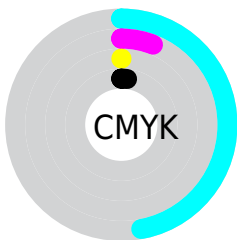
Distribution



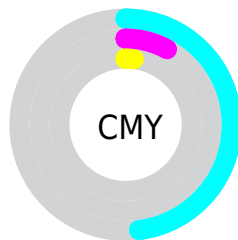
- Red (52%)
- Green (92%)
- Blue (98%)



- Red (52%)
- Yellow (73%)
- Blue (98%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (48%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1946, 70.6717, 100.3018 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 56.1946, 70.6717, 100.3018 by changing the saturation by 10% instead.

56.1946, 70.6717,
100.3018

56.1946, 70.6717,
100.3018

400.4876,
462.9050, 582.4148

40.5966, 52.0743,
75.9343

98.4272, 120.1661,
163.6274

28.1903, 37.0643,
55.8723

125.7925,
151.8320, 203.4225

18.6103, 25.2573,
39.6973

157.8109,
188.6228, 249.1973

11.4914, 16.2689,
26.9906

194.8479,
230.9230, 301.3703

6.4681, 9.7146,
17.3338

237.2686,
279.1169, 360.3600

3.1751, 5.2101,
10.3083

285.4386,

1.2470, 2.3711,

333.5889, 426.5849

5.4956

339.7231,
394.7235, 500.4637

■ 0.1430, 0.8110,
2.4771

■ 0.0000, 0.0000,
0.8280

■ 56.1946, 70.6717,
100.3018

■ 56.1946, 70.6717,
100.3018

■ 51.8119, 67.0655,
99.8380

■ 61.5300, 74.7969,
100.8181

■ 48.3084, 63.9356,
99.4185

■ 67.8720, 79.4643,
101.3847

■ 45.6104, 61.2454,
99.0415

■ 75.2781, 84.7053,
102.0060

■ 43.6290, 58.9490,
98.7026

■ 83.7996, 90.5463,
102.6843

■ 42.2527, 56.9887,
98.3968

■ 92.5562, 96.5338,
103.3785

■ 41.8622, 56.3657,
98.2971

■ 93.5657, 98.5529,
103.7150

■ 94.0991, 99.6197,
103.8928

Harmonies

Analogous

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



54.2954, 70.6717, 78.7674



56.1946, 70.6717, 100.3018



61.0154, 70.6717, 117.6933

Triad

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



56.1946, 70.6717, 100.3018



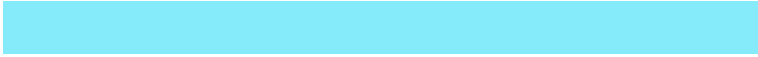
80.1985, 70.6717, 96.6197



66.5435, 70.6717, 43.8088

Complementary

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



56.1946, 70.6717, 100.3018



53.8920, 43.0145, 27.6546

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.



73.7280, 70.6717, 46.8961



56.1946, 70.6717, 100.3018



81.9372, 70.6717, 75.1597

Square

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



56.1946, 70.6717, 100.3018



74.8949, 70.6717, 115.3149



79.4918, 70.6717, 57.5360



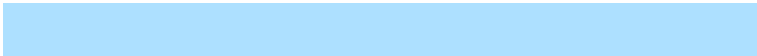
59.9979, 70.6717, 48.2047

Rectangle

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



56.1946, 70.6717, 100.3018



65.4110, 70.6717, 123.2280



79.4918, 70.6717, 57.5360



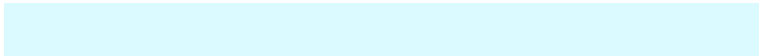
68.9630, 70.6717, 44.0064

Sweetspot

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



56.1968, 70.6744, 100.3035



81.6589, 90.9368, 107.8564



48.7802, 74.8315, 39.2872



17.0819, 19.1896, 23.0536



0.0000, 0.0000, 0.0000



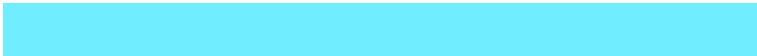
20.3446, 21.4041, 23.3091

Same Dimension

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



56.1968, 70.6744, 100.3035



54.9077, 70.9782, 105.4140



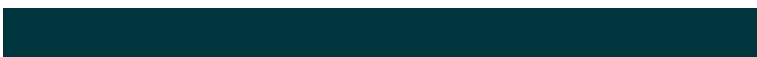
42.5882, 43.4572, 95.7673



17.5631, 19.2031, 22.1662



22.4823, 30.3202, 52.6410



2.1339, 2.9115, 4.8927

Inverse Universe

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



62.3076, 42.8573, 82.8330



62.2747, 38.9799, 84.0078



65.0221, 65.2748, 31.3646



17.8908, 17.4837, 21.2806



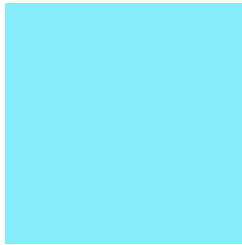
27.6401, 13.4717, 36.4085



2.5860, 1.2582, 3.5094

Previews

White Background



This preview shows how the XYZ color 56.1946, 70.6717, 100.3018 looks on a white background.

Color Contrast Check

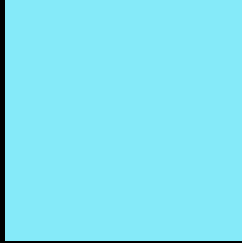
Large Text (above 18pt) WCAG AA × Fail

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 56.1946, 70.6717, 100.3018 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 56.1946, 70.6717, 100.3018

Background



This preview shows how black text looks on a background with the XYZ color 56.1946, 70.6717, 100.3018.

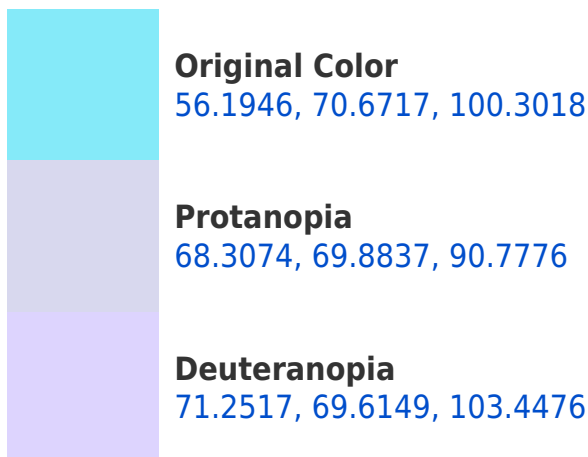


This preview shows how white text looks on a background with the XYZ color 56.1946, 70.6717,

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

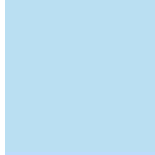
56.5411, 70.3744, 102.6991

Trichromacy



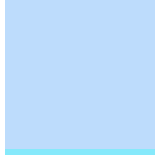
Original Color

56.1946, 70.6717, 100.3018



Protanomaly

62.6644, 69.6253, 94.1407



Deuteranomaly

64.1502, 69.0335, 102.0392



Tritanomaly

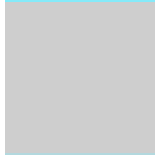
56.3830, 70.3112, 101.8665

Monochromacy



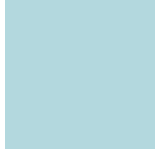
Original Color

56.1946, 70.6717, 100.3018



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.3311, 63.9694, 78.4856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1946, 70.6717, 100.3018 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, 234, 249)` looks like.

```
.text, #text, p{  
    color:rgb(133, 234, 249)  
}
```

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, 234, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 234, 249) }
```

Border

The CSS property to change the border of an element to XYZ 56.1946, 70.6717, 100.3018 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, 234, 249) }
```


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

```
.border{ border-color:rgb(133, 234, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 234, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 234, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 234, 249);  
box-shadow:4px 4px 4px 4px rgb(133, 234,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1946, 70.6717, 100.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 234, 249) }
```

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

```
.background{ background-color: rgb(133,  
234, 249) }
```

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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