

Converting Colors

XYZ(56.8216, 75.7443,
106.2330)

Have a look what the booklet for
XYZ(56.8216, 75.7443, 106.2330)
contains.

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Color

**XYZ(56.7658, 75.6506,
106.2179)**

Conversions

Conversions Part 1

Format	Color
Hex	6BF5FF
RGB	107, 245, 255
RGB Percent	42%, 96%, 100%
CMY	0.5804, 0.0392, 0.0000
CMYK	0.58, 0.04, 0.00, 0.00
HSL	184°, 100%, 71%
HSV	184°, 58%, 100%
XYZ	56.7658, 75.6506, 106.2179
YIQ	204.8780, -85.4580, -26.1460

Conversions

Conversions Part 2

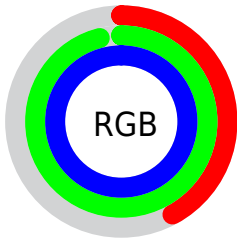
Format	Color
RYB	107, 178, 255
Decimal	7075327
CIELab	89.70, -34.52, -16.12
CIELCh	90, 38.099, 205.029
Yxy	75.6506, 0.2379, 0.3170
Android (android.graphics.Color)	4285265407 (0xFF6BF5FF)
YUV	204.8780, 24.7101, -85.8390
Hunter-Lab	86.9774, -35.7123, -11.5216

Details

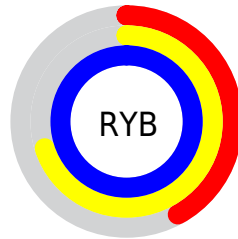
The XYZ color **56.7658, 75.6506, 106.2179** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.2560, 35.0451, 18.0276**, and the grayscale version is **57.8399, 60.8520, 66.2679**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **28.4648, 40.1924, 59.6837** is the 20% darker color. If you saturate the color by 10%, you get **53.6219, 73.2616, 105.9225**, and if you desaturate by 10%, it is **60.8224, 78.5207, 106.5581**.

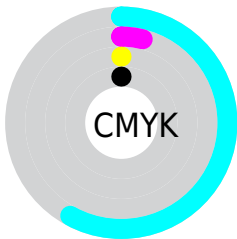
Distribution



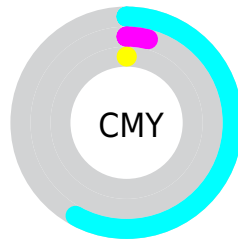
- Red (42%)
- Green (96%)
- Blue (100%)



- Red (42%)
- Yellow (70%)
- Blue (100%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7658, 75.6506, 106.2179 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 56.7658, 75.6506, 106.2179 by changing the saturation by 10% instead.

56.7658, 75.6506,
106.2179

56.7658, 75.6506,
106.2179

402.5995,
480.1508, 601.3653

41.0566, 56.1460,
80.8577

99.2567, 127.2329,
171.8022

28.5512, 40.3200,
59.8941

126.7692,
160.0794, 212.8634

18.8842, 27.7882,
42.9085

158.9468,
198.1421, 259.9954

11.6901, 18.1660,
29.4825

196.1549,
241.8052, 313.6166

6.6037, 11.0693,
19.1974

238.7589,
291.4533, 374.1457

3.2596, 6.1134,
11.6348

287.1241,

1.2925, 2.9142,

347.4706, 442.0011

6.3760

341.6158,
410.2417, 517.6015

■ 0.1776, 1.0871,
3.0026

■ 0.0000, 0.0000,
1.0959

■ 56.7658, 75.6506,
106.2179

■ 56.7658, 75.6506,
106.2179

■ 53.6219, 73.2616,
105.9225

■ 60.8224, 78.5207,
106.5581

■ 51.3023, 71.3030,
105.6667

■ 65.8575, 81.9008,
106.9451

■ 49.7123, 69.7277,
105.4464

■ 71.9381, 85.8272,
107.3825

■ 48.7205, 68.4679,
105.2555

■ 79.1235, 90.3303,
107.8730

■ 48.5593, 68.2387,
105.2198

■ 87.4686, 95.4385,
108.4191

95.0500, 100.0000,
108.9000

Harmonies

Analogous

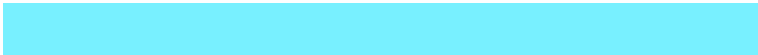
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.3881, 75.6506, 77.9745



56.7658, 75.6506, 106.2179



62.0520, 75.6506, 132.3716

Triad

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



56.7658, 75.6506, 106.2179



87.7216, 75.6506, 115.6716



73.4781, 75.6506, 40.8781

Complementary

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



56.7658, 75.6506, 106.2179



50.2560, 35.0451, 18.0276

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.



82.7464, 75.6506, 46.8748



56.7658, 75.6506, 106.2179



91.4136, 75.6506, 86.9290

Square

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



56.7658, 75.6506, 106.2179



79.8087, 75.6506, 138.6091



89.5185, 75.6506, 62.3899



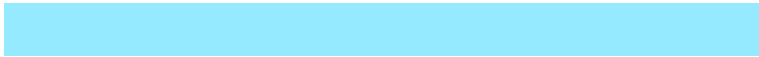
64.5386, 75.6506, 43.8672

Rectangle

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



56.7658, 75.6506, 106.2179



67.3435, 75.6506, 143.0380



89.5185, 75.6506, 62.3899



76.6651, 75.6506, 41.8633

Sweetspot

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



56.7679, 75.6534, 106.2183



79.9336, 90.8311, 107.9269



45.0278, 75.9276, 29.0730



16.7754, 19.2350, 23.0785



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.



56.7679, 75.6534, 106.2183



53.1039, 72.8442, 105.8692



38.7032, 39.5241, 100.1968



18.4436, 20.2589, 23.1882



25.4180, 35.7456, 54.9945



2.5052, 3.5411, 5.3647

Inverse Universe

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



62.9805, 38.3698, 90.4759



60.0281, 32.9657, 87.9482



62.4967, 59.5266, 22.1078



18.7366, 18.2779, 22.4959



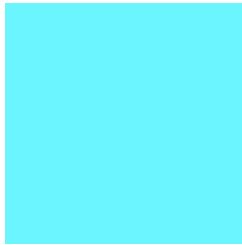
29.6180, 14.3365, 43.5006



2.8991, 1.4020, 4.3161

Previews

White Background



This preview shows how the XYZ color 56.7658, 75.6506, 106.2179 looks on a white background.

Color Contrast Check

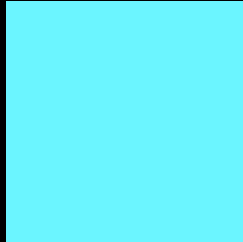
Large Text (above 18pt) WCAG AA × Fail

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 56.7658, 75.6506, 106.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

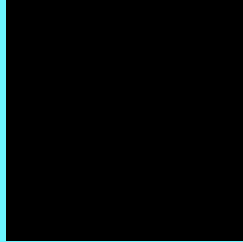
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7658, 75.6506, 106.2179

Background



This preview shows how black text looks on a background with the XYZ color 56.7658, 75.6506, 106.2179.

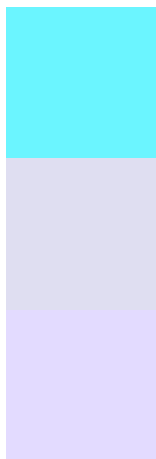


This preview shows how white text looks on a background with the XYZ color 56.7658, 75.6506,

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

56.7658, 75.6506, 106.2179

Protanopia

72.4299, 74.2814, 93.7394

Deuteranopia

75.0601, 74.2139, 104.9764



Tritanopia

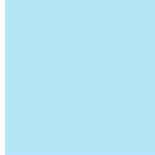
60.7706, 75.0640, 105.8936

Trichromacy



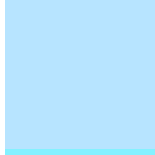
Original Color

56.7658, 75.6506, 106.2179



Protanomaly

63.9874, 73.0712, 97.9204



Deuteranomaly

65.3218, 72.7741, 105.2117



Tritanomaly

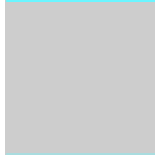
59.0210, 75.0361, 105.9804

Monochromacy



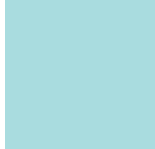
Original Color

56.7658, 75.6506, 106.2179



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.2747, 64.9491, 79.4352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7658, 75.6506, 106.2179 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(107, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 245, 255)  
}
```

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(107, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7658, 75.6506, 106.2179 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(107, 245, 255) }
```


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

```
.border{ border-color:rgb(107, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7658, 75.6506, 106.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 245, 255) }
```

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

```
.background{ background-color: rgb(107,  
245, 255) }
```

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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