

Converting Colors

XYZ(56.0751, 75.1360,
106.1550)

Have a look what the booklet for
XYZ(56.0751, 75.1360, 106.1550)
contains.

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Color

**XYZ(56.1819, 75.3496,
106.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	66F5FF
RGB	102, 245, 255
RGB Percent	40%, 96%, 100%
CMY	0.6000, 0.0392, 0.0000
CMYK	0.60, 0.04, 0.00, 0.00
HSL	184°, 100%, 70%
HSV	184°, 60%, 100%
XYZ	56.1819, 75.3496, 106.1906
YIQ	203.3830, -88.4380, -27.2060

Conversions

Conversions Part 2

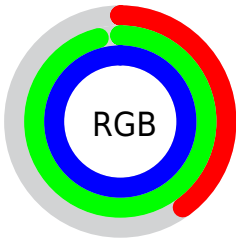
Format	Color
RYB	102, 176, 255
Decimal	6747647
CIELab	89.56, -35.37, -16.34
CIElCh	90, 38.959, 204.804
Yxy	75.3496, 0.2363, 0.3170
Android (android.graphics.Color)	4284937727 (0xFF66F5FF)
YUV	203.3830, 25.4472, -88.9129
Hunter-Lab	86.8041, -36.3774, -11.7687

Details

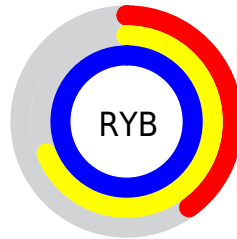
The XYZ color **56.1819, 75.3496, 106.1906** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.4333, 33.8087, 16.4928**, and the grayscale version is **56.8926, 59.8554, 65.1825**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.1763, 40.0437, 59.6702** is the 20% darker color. If you saturate the color by 10%, you get **53.2227, 73.0809, 105.9086**, and if you desaturate by 10%, it is **60.0382, 78.0909, 106.5165**.

Distribution



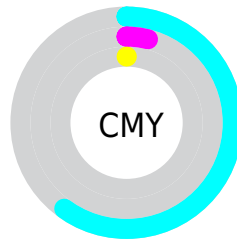
- Red (40%)
- Green (96%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1819, 75.3496, 106.1906 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 56.1819, 75.3496, 106.1906 by changing the saturation by 10% instead.

 56.1819, 75.3496,
106.1906


 56.1819, 75.3496,
106.1906


400.4406,
479.1183, 601.2786


 40.5864, 55.8993,
80.8349


 98.4088, 126.8071,
171.7646

 28.1823, 40.1222,
59.8755


 125.7708,
159.5832, 212.8200

 18.6042, 27.6339,
42.8936


 157.7857,
197.5699, 259.9458

 11.4870, 18.0498,
29.4709

194.8188,
241.1518, 313.5604

 6.4651, 10.9858,
19.1887

237.2355,
290.7132, 374.0825

 3.1732, 6.0573,
11.6285

285.4011,

 1.2460, 2.8799,

346.6385, 441.9305

6.3718

339.6810,
409.3121, 517.5230

■ 0.1422, 1.0694,
3.0000

■ 0.0000, 0.0000,
1.0946

■ 56.1819, 75.3496,
106.1906

■ 56.1819, 75.3496,
106.1906

■ 53.2227, 73.0809,
105.9086

■ 60.0382, 78.0909,
106.5165

■ 51.0701, 71.2329,
105.6654

■ 64.8592, 81.3347,
106.8885

■ 49.6252, 69.7565,
105.4566

■ 70.7132, 85.1177,
107.3101

■ 48.7235, 68.5669,
105.2745

■ 77.6603, 89.4711,
107.7843

■ 48.7233, 68.5665,
105.2744

■ 85.7564, 94.4236,
108.3135

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.



54.8139, 75.3496, 77.3630



56.1819, 75.3496, 106.1906



61.5285, 75.3496, 133.0699

Triad

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



56.1819, 75.3496, 106.1906



87.7279, 75.3496, 116.3124



73.2967, 75.3496, 39.9626

Complementary

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



56.1819, 75.3496, 106.1906



49.4333, 33.8087, 16.4928

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.



82.7532, 75.3496, 46.0797



56.1819, 75.3496, 106.1906



91.5459, 75.3496, 86.9079

Square

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



56.1819, 75.3496, 106.1906



79.6159, 75.3496, 139.7665



89.6493, 75.3496, 61.8651



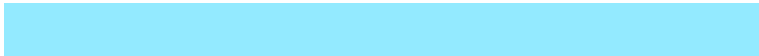
64.1736, 75.3496, 42.9071

Rectangle

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



56.1819, 75.3496, 106.1906



66.9026, 75.3496, 144.1160



89.6493, 75.3496, 61.8651



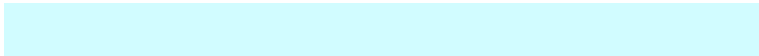
76.5490, 75.3496, 40.9776

Sweetspot

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



56.1839, 75.3523, 106.1910



79.1835, 90.4113, 107.8855



44.0363, 75.4636, 26.8993



16.4767, 19.0602, 23.0605



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

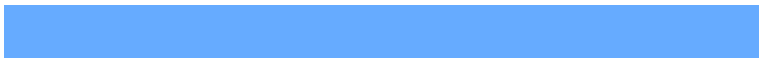
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.1839, 75.3523, 106.1910



52.7297, 72.6783, 105.8569



38.0658, 39.1161, 100.1516



18.4473, 20.2661, 23.1894



25.5024, 35.9143, 55.0226



2.5125, 3.5557, 5.3672

Inverse Universe

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



62.4742, 37.3571, 90.3071



59.6970, 32.2888, 87.8831



61.2300, 57.4020, 20.4250



18.7384, 18.2787, 22.5056



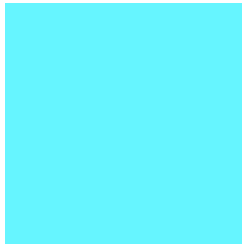
29.6606, 14.3535, 43.7247



2.9028, 1.4035, 4.3355

Previews

White Background



This preview shows how the XYZ color 56.1819, 75.3496, 106.1906 looks on a white background.

Color Contrast Check

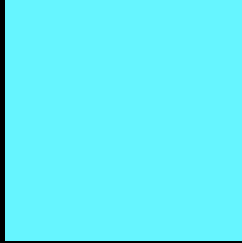
Large Text (above 18pt) WCAG AA × Fail

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 56.1819, 75.3496, 106.1906 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 56.1819, 75.3496, 106.1906

Background



This preview shows how black text looks on a background with the XYZ color 56.1819, 75.3496, 106.1906.

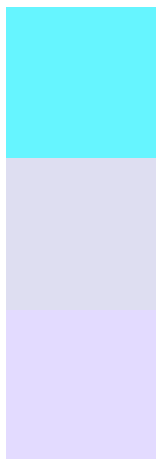


This preview shows how white text looks on a background with the XYZ color 56.1819, 75.3496,

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

56.1819, 75.3496, 106.1906

Protanopia

72.1227, 74.1230, 93.7250

Deuteranopia

75.0601, 74.2139, 104.9764



Tritanopia

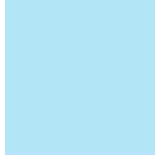
60.2442, 74.7926, 105.8690

Trichromacy



Original Color

56.1819, 75.3496, 106.1906



Protanomaly

63.2915, 72.7124, 97.8879



Deuteranomaly

65.0848, 72.6519, 105.2006



Tritanomaly

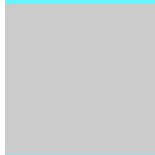
58.4074, 74.7198, 105.9517

Monochromacy



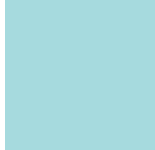
Original Color

56.1819, 75.3496, 106.1906



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.9821, 63.5237, 78.5234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1819, 75.3496, 106.1906 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(102, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.1819, 75.3496, 106.1906 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(102, 245, 255) }
```


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

```
.border{ border-color:rgb(102, 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(102, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1819, 75.3496, 106.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 245, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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