

Converting Colors

XYZ(56.3986, 75.4679,
106.2026)

Have a look what the booklet for
XYZ(56.3986, 75.4679, 106.2026)
contains.

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Color

**XYZ(56.4113, 75.4679,
106.2013)**

Conversions

Conversions Part 1

Format	Color
Hex	68F5FF
RGB	104, 245, 255
RGB Percent	41%, 96%, 100%
CMY	0.5921, 0.0392, 0.0000
CMYK	0.59, 0.04, 0.00, 0.00
HSL	184°, 100%, 70%
HSV	184°, 59%, 100%
XYZ	56.4113, 75.4679, 106.2013
YIQ	203.9810, -87.2460, -26.7820

Conversions

Conversions Part 2

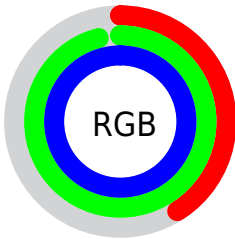
Format	Color
RYB	104, 177, 255
Decimal	6878719
CIELab	89.61, -35.03, -16.26
CIELCh	90, 38.620, 204.891
Yxy	75.4679, 0.2369, 0.3170
Android (android.graphics.Color)	4285068799 (0xFF68F5FF)
YUV	203.9810, 25.1524, -87.6833
Hunter-Lab	86.8723, -36.1158, -11.6714

Details

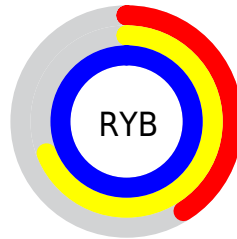
The XYZ color **56.4113, 75.4679, 106.2013** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.7568, 34.2950, 17.0958**, and the grayscale version is **57.2703, 60.2529, 65.6154**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **28.2388, 40.0759, 59.6732** is the 20% darker color. If you saturate the color by 10%, you get **53.3788, 73.1515, 105.9140**, and if you desaturate by 10%, it is **60.3472, 78.2603, 106.5329**.

Distribution



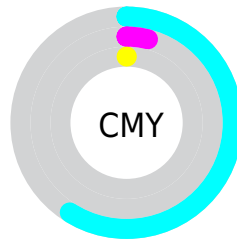
- Red (41%)
- Green (96%)
- Blue (100%)



- Red (41%)
- Yellow (69%)
- Blue (100%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4113, 75.4679, 106.2013 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 56.4113, 75.4679, 106.2013 by changing the saturation by 10% instead.

56.4113, 75.4679,
106.2013

56.4113, 75.4679,
106.2013

401.2896,
479.5243, 601.3125

40.7711, 55.9963,
80.8439

98.7420, 126.9745,
171.7793

28.3271, 40.2000,
59.8828

126.1632,
159.7782, 212.8370

18.7141, 27.6945,
42.8995

158.2421,
197.7948, 259.9652

11.5667, 18.0955,
29.4754

195.3441,
241.4087, 313.5824

6.5194, 11.0186,
19.1921

237.8345,
291.0041, 374.1072

3.2071, 6.0793,
11.6310

286.0786,

1.2642, 2.8934,

346.9656, 441.9582

6.3734

340.4419,
409.6775, 517.5538

■ 0.1562, 1.0763,
3.0010

■ 0.0000, 0.0000,
1.0952

■ 56.4113, 75.4679,
106.2013

■ 56.4113, 75.4679,
106.2013

■ 53.3788, 73.1515,
105.9140

■ 60.3472, 78.2603,
106.5329

■ 51.1600, 71.2598,
105.6659

■ 65.2534, 81.5581,
106.9108

■ 49.6578, 69.7445,
105.4525

■ 71.1976, 85.3980,
107.3387

■ 48.7228, 68.5284,
105.2671

■ 78.2396, 89.8109,
107.8193

■ 48.6590, 68.4380,
105.2530

■ 86.4349, 94.8252,
108.3552

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.



55.0395, 75.4679, 77.6034



56.4113, 75.4679, 106.2013



61.7342, 75.4679, 132.7944

Triad

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



56.4113, 75.4679, 106.2013



87.7253, 75.4679, 116.0593



73.3679, 75.4679, 40.3214

Complementary

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



56.4113, 75.4679, 106.2013



49.7568, 34.2950, 17.0958

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.



82.7503, 75.4679, 46.3916



56.4113, 75.4679, 106.2013



91.4936, 75.4679, 86.9158

Square

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



56.4113, 75.4679, 106.2013



79.6917, 75.4679, 139.3095



89.5975, 75.4679, 62.0712



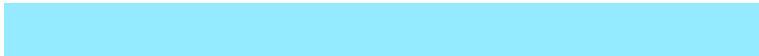
64.3170, 75.4679, 43.2835

Rectangle

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



56.4113, 75.4679, 106.2013



67.0759, 75.4679, 143.6905



89.5975, 75.4679, 62.0712



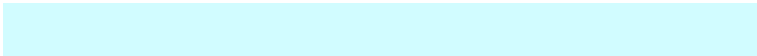
76.5945, 75.4679, 41.3248

Sweetspot

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



56.4134, 75.4706, 106.2017



79.1710, 90.3864, 107.8813



44.3698, 75.6235, 27.4585



16.4736, 19.0540, 23.0595



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.



56.4134, 75.4706, 106.2017



52.9250, 72.7834, 105.8669



38.5036, 39.6511, 100.2318



18.4458, 20.2633, 23.1890



25.4693, 35.8482, 55.0116



2.5096, 3.5500, 5.3662

Inverse Universe

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



62.6731, 37.7549, 90.3735



59.8652, 32.6228, 87.9467



61.5207, 57.8229, 21.0171



18.7377, 18.2784, 22.5018



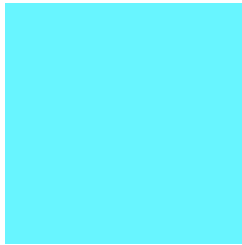
29.6439, 14.3469, 43.6369



2.9014, 1.4029, 4.3279

Previews

White Background



This preview shows how the XYZ color 56.4113, 75.4679, 106.2013 looks on a white background.

Color Contrast Check

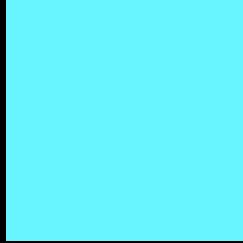
Large Text (above 18pt) WCAG AA × Fail

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 56.4113, 75.4679, 106.2013 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 56.4113, 75.4679, 106.2013

Background



This preview shows how black text looks on a background with the XYZ color 56.4113, 75.4679, 106.2013.

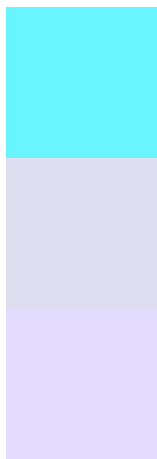


This preview shows how white text looks on a background with the XYZ color 56.4113, 75.4679,

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

56.4113, 75.4679, 106.2013

Protanopia

72.4299, 74.2814, 93.7394

Deuteranopia

75.0601, 74.2139, 104.9764



Tritanopia

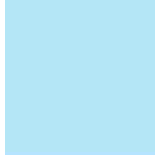
60.4181, 74.8823, 105.8771

Trichromacy



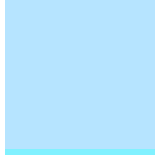
Original Color

56.4113, 75.4679, 106.2013



Protanomaly

63.7538, 72.9507, 97.9095



Deuteranomaly

65.0848, 72.6519, 105.2006



Tritanomaly

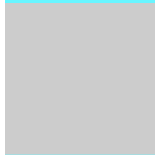
58.5586, 74.7977, 105.9588

Monochromacy



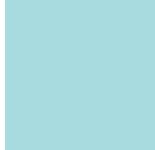
Original Color

56.4113, 75.4679, 106.2013



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.7992, 64.3156, 79.3380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4113, 75.4679, 106.2013 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(104, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.4113, 75.4679, 106.2013 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(104, 245, 255) }
```


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

```
.border{ border-color:rgb(104, 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(104, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4113, 75.4679, 106.2013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 245, 255) }
```

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

```
.background{ background-color: rgb(104,  
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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