

Converting Colors

XYZ(56.8107, 77.7536,
106.6215)

Have a look what the booklet for
XYZ(56.8107, 77.7536, 106.6215)
contains.

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Color

**XYZ(56.9549, 78.0241,
106.6661)**

Conversions

Conversions Part 1

Format	Color
Hex	5FFAFF
RGB	95, 250, 255
RGB Percent	37%, 98%, 100%
CMY	0.6274, 0.0196, 0.0000
CMYK	0.63, 0.02, 0.00, 0.00
HSL	182°, 100%, 69%
HSV	182°, 63%, 100%
XYZ	56.9549, 78.0241, 106.6661
YIQ	204.2250, -93.9850, -31.3050

Conversions

Conversions Part 2

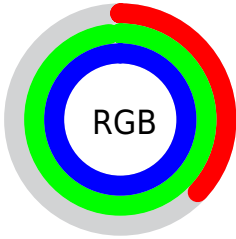
Format	Color
R_{YB}	95, 174, 255
Decimal	6290175
CIE _{Lab}	90.79, -38.77, -14.51
CIE _{LCh}	91, 41.397, 200.520
Yxy	78.0241, 0.2357, 0.3229
Android (android.graphics.Color)	4284480255 (0xFF5FFAFF)
YUV	204.2250, 25.0321, -95.7903
Hunter-Lab	88.3313, -39.4851, -9.7649

Details

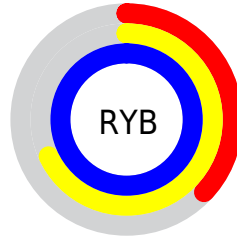
The XYZ color **56.9549, 78.0241, 106.6661** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.8636, 31.2016, 14.3283**, and the grayscale version is **57.4284, 60.4192, 65.7965**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **29.2630, 42.2171, 60.0325** is the 20% darker color. If you saturate the color by 10%, you get **54.4803, 76.3836, 106.4798**, and if you desaturate by 10%, it is **60.3012, 80.1191, 106.8941**.

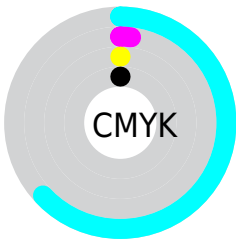
Distribution



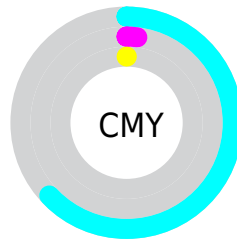
- Red (37%)
- Green (98%)
- Blue (100%)



- Red (37%)
- Yellow (68%)
- Blue (100%)



- Cyan (63%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9549, 78.0241, 106.6661 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 56.9549, 78.0241, 106.6661 by changing the saturation by 10% instead.


 56.9549, 78.0241,
106.6661


 56.9549, 78.0241,
106.6661

403.2972,
488.2487, 602.7881


 41.2090, 58.0938,
81.2314


 99.5311, 130.5841,
172.4197

 28.6708, 41.8840,
60.2001

 127.0922,
163.9826, 213.5756

 18.9750, 29.0105,
43.1536

 159.3223,
202.6392, 260.8091

 11.7561, 19.0888,
29.6733

196.5870,
246.9384, 314.5387

 6.6488, 11.7344,
19.3408

239.2514,
297.2645, 375.1828

 3.2878, 6.5631,
11.7375

287.6810,

 1.3077, 3.1904,

354.0020, 443.1601

6.4448

342.2412,
417.5353, 518.8890

■ 0.1890, 1.2319,
3.0443

■ 0.0000, 0.0876,
1.1173

■ 56.9549, 78.0241,
106.6661

■ 56.9549, 78.0241,
106.6661

■ 54.4803, 76.3836,
106.4798

■ 60.3012, 80.1191,
106.8941

■ 52.7830, 75.1436,
106.3299

■ 64.5894, 82.6994,
107.1661

■ 51.7582, 74.2518,
106.2118

■ 69.8895, 85.8029,
107.4858

■ 51.3221, 73.7641,
106.1407

■ 76.2632, 89.4615,
107.8560

■ 83.7674, 93.7043,
108.2795

■ 92.4548, 98.5588,
108.7586

■ 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.



56.1234, 78.0241, 75.8625



56.9549, 78.0241, 106.6661



62.1518, 78.0241, 137.3027

Triad

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



56.9549, 78.0241, 106.6661



90.6997, 78.0241, 126.8442



77.5040, 78.0241, 40.0429

Complementary

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



56.9549, 78.0241, 106.6661



47.8636, 31.2016, 14.3283

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.



87.6222, 78.0241, 47.9578



56.9549, 78.0241, 106.6661



95.6969, 78.0241, 94.7464

Square

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



56.9549, 78.0241, 106.6661



81.3966, 78.0241, 150.7145



94.5208, 78.0241, 66.4100



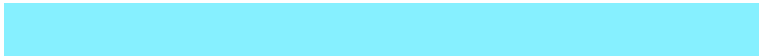
67.3647, 78.0241, 41.7960

Rectangle

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



56.9549, 78.0241, 106.6661



67.6854, 78.0241, 151.2366



94.5208, 78.0241, 66.4100



81.0339, 78.0241, 41.5747

Sweetspot

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



56.9570, 78.0269, 106.6665



78.9358, 90.9791, 108.0081



42.6695, 74.8291, 23.6695



16.4551, 19.2234, 23.0932



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.



56.9570, 78.0269, 106.6665



54.0324, 76.0701, 106.4429



37.5871, 39.2871, 100.2099



18.5034, 20.3784, 23.2081



26.8386, 38.5868, 55.4680



2.6279, 3.7864, 5.4056

Inverse Universe

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



62.5889, 36.3483, 94.1627



60.1625, 31.7399, 92.6007



59.1609, 53.7963, 18.0941



18.7667, 18.2900, 22.6547



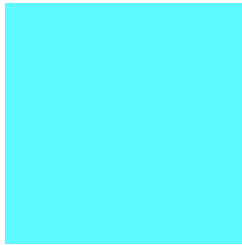
30.3351, 14.6233, 47.2765



2.9610, 1.4268, 4.6422

Previews

White Background



This preview shows how the XYZ color 56.9549, 78.0241, 106.6661 looks on a white background.

Color Contrast Check

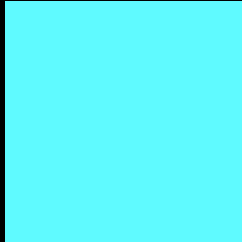
Large Text (above 18pt) WCAG AA × Fail

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 56.9549, 78.0241, 106.6661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

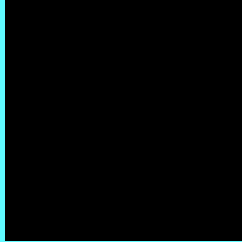
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9549, 78.0241, 106.6661

Background



This preview shows how black text looks on a background with the XYZ color 56.9549, 78.0241, 106.6661.

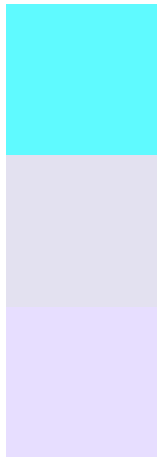


This preview shows how white text looks on a background with the XYZ color 56.9549, 78.0241,

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

56.9549, 78.0241, 106.6661

Protanopia

74.3319, 76.4726, 93.2810

Deuteranopia

77.1263, 76.4515, 105.2994



Tritanopia

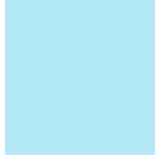
63.6058, 77.3997, 106.1950

Trichromacy



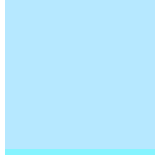
Original Color

56.9549, 78.0241, 106.6661



Protanomaly

64.4947, 75.0219, 97.4676



Deuteranomaly

66.1980, 74.8783, 105.5717



Tritanomaly

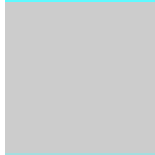
60.3924, 77.0723, 106.3012

Monochromacy



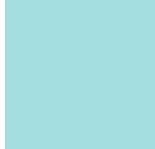
Original Color

56.9549, 78.0241, 106.6661



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.4856, 64.9331, 79.4737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9549, 78.0241, 106.6661 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(95, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(95, 250, 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(95, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.9549, 78.0241, 106.6661 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(95, 250, 255) }
```


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

```
.border{ border-color:rgb(95, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(95, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9549, 78.0241, 106.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 250, 255) }
```

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

```
.background{ background-color: rgb(95, 250,  
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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