

Converting Colors

XYZ(62.5808, 80.6482,
141.9230)

Have a look what the booklet for
XYZ(62.5808, 80.6482, 141.9230)
contains.

XYZ(55.8554, 77.9198, 106.7039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.8554, 77.9198,
106.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	50FBFF
RGB	80, 251, 255
RGB Percent	31%, 98%, 100%
CMY	0.6862, 0.0157, 0.0000
CMYK	0.69, 0.02, 0.00, 0.00
HSL	181°, 100%, 66%
HSV	181°, 69%, 100%
XYZ	55.8554, 77.9198, 106.7039
YIQ	200.3270, -103.2000, -35.0080

Conversions

Conversions Part 2

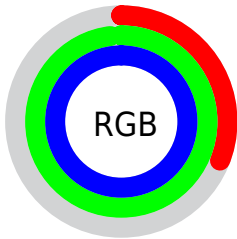
Format	Color
RYB	80, 166, 255
Decimal	5307391
CIELab	90.74, -41.30, -14.62
CIELCh	91, 43.806, 199.492
Yxy	77.9198, 0.2323, 0.3240
Android (android.graphics.Color)	4283497471 (0xFF50FBFF)
YUV	200.3270, 26.9538, -105.5268
Hunter-Lab	88.2722, -41.5281, -9.8795

Details

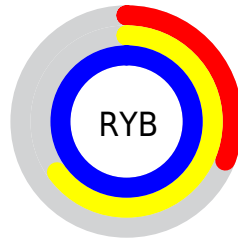
The XYZ color **55.8554, 77.9198, 106.7039** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **45.8592, 28.1810, 10.6139**, and the grayscale version is **54.9885, 57.8522, 63.0011**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **53.9156, 76.6519, 106.5614**, and if you desaturate by 10%, it is **58.6164, 79.6154, 106.8856**.

Distribution



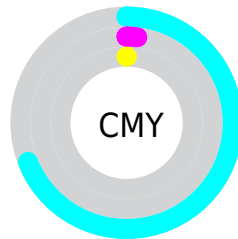
- Red (31%)
- Green (98%)
- Blue (100%)



- Red (31%)
- Yellow (65%)
- Blue (100%)



- Cyan (69%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8554, 77.9198, 106.7039 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 55.8554, 77.9198, 106.7039 by changing the saturation by 10% instead.

55.8554, 77.9198,
106.7039

55.8554, 77.9198,
106.7039

399.2302,
487.8944, 602.9081

40.3235, 58.0081,
81.2629

97.9342, 130.4371,
172.4717

27.9762, 41.8152,
60.2259

125.2118,
163.8114, 213.6357

18.4481, 28.9566,
43.1743

157.1354,
202.4421, 260.8777

11.3738, 19.0480,
29.6895

194.0703,
246.7135, 314.6164

6.3880, 11.7050,
19.3529

236.3818,
297.0101, 375.2702

3.1253, 6.5431,
11.7462

284.4355,

1.2204, 3.1780,

353.7161, 443.2577

6.4507

338.5965,
417.2161, 518.9975

■ 0.1224, 1.2254,
3.0478

■ 0.0000, 0.0823,
1.1191

■ 55.8554, 77.9198,
106.7039

■ 55.8554, 77.9198,
106.7039

■ 53.9156, 76.6519,
106.5614

■ 58.6164, 79.6154,
106.8856

■ 52.6926, 75.7526,
106.4523

■ 62.2750, 81.7728,
107.1092

■ 52.0490, 75.1528,
106.3704

■ 66.9060, 84.4323,
107.3785

■ 51.9803, 75.0805,
106.3601

■ 72.5744, 87.6274,
107.6965

■ 79.3400, 91.3890,
108.0659

■ 87.2577, 95.7454,
108.4895

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.



55.1479, 77.9198, 74.2653



55.8554, 77.9198, 106.7039



61.1522, 77.9198, 139.7415

Triad

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



55.8554, 77.9198, 106.7039



91.3361, 77.9198, 130.5908



77.9857, 77.9198, 38.1280

Complementary

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



55.8554, 77.9198, 106.7039



45.8592, 28.1810, 10.6139

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.



88.6682, 77.9198, 46.6129



55.8554, 77.9198, 106.7039



96.8670, 77.9198, 96.3768

Square

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



55.8554, 77.9198, 106.7039



81.3454, 77.9198, 155.7246



95.8450, 77.9198, 66.1898



67.2240, 77.9198, 39.5871

Rectangle

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



55.8554, 77.9198, 106.7039



66.8939, 77.9198, 155.1741



95.8450, 77.9198, 66.1898



81.7214, 77.9198, 39.8087

Sweetspot

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



55.8575, 77.9226, 106.7043



77.6297, 90.4422, 107.9733



40.6277, 73.8493, 20.2819



16.2079, 19.1318, 23.0885



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.



55.8575, 77.9226, 106.7043



53.4277, 76.3095, 106.5210



34.7402, 35.6881, 99.6652



18.5172, 20.4060, 23.2127



27.1769, 39.2634, 55.5808



2.6570, 3.8447, 5.4153

Inverse Universe

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



61.5226, 33.9641, 94.5830



59.5037, 30.1224, 93.3054



57.1423, 50.7472, 14.3749



18.7737, 18.2928, 22.6915



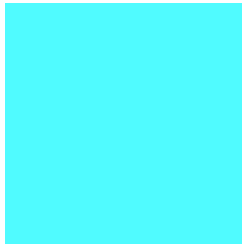
30.5058, 14.6916, 48.1756



2.9757, 1.4327, 4.7196

Previews

White Background



This preview shows how the XYZ color 55.8554, 77.9198, 106.7039 looks on a white background.

Color Contrast Check

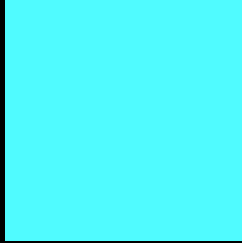
Large Text (above 18pt) WCAG AA × Fail

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 55.8554, 77.9198, 106.7039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

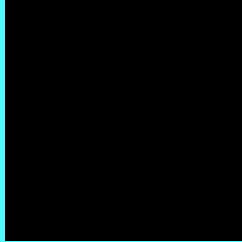
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8554, 77.9198, 106.7039

Background



This preview shows how black text looks on a background with the XYZ color 55.8554, 77.9198, 106.7039.

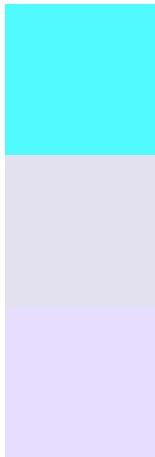


This preview shows how white text looks on a background with the XYZ color 55.8554, 77.9198,

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

55.8554, 77.9198, 106.7039

Protanopia

74.1838, 76.4133, 92.5007

Deuteranopia

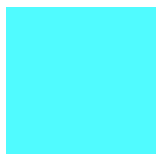
77.1263, 76.4515, 105.2994



Tritanopia

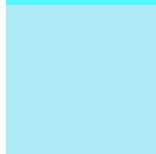
63.0229, 77.0992, 106.1677

Trichromacy



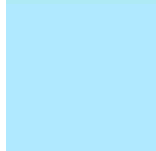
Original Color

55.8554, 77.9198, 106.7039



Protanomaly

63.3598, 74.4369, 97.4145



Deuteranomaly

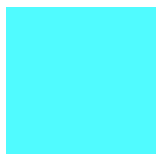
65.0934, 74.7279, 105.6009



Tritanomaly

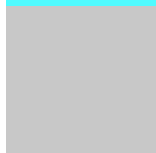
59.6045, 77.1140, 106.3507

Monochromacy



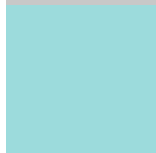
Original Color

55.8554, 77.9198, 106.7039



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.9601, 62.8983, 77.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8554, 77.9198, 106.7039 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(80, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 251, 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(80, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.8554, 77.9198, 106.7039 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(80, 251, 255) }
```


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

```
.border{ border-color:rgb(80, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8554, 77.9198, 106.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 251, 255) }
```

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

```
.background{ background-color: rgb(80, 251,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor