

Converting Colors

XYZ(62.0503, 80.4057,
142.7777)

Have a look what the booklet for
XYZ(62.0503, 80.4057, 142.7777)
contains.

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Color

**XYZ(55.1457, 77.5540,
106.6707)**

Conversions

Conversions Part 1

Format	Color
Hex	47FBFF
RGB	71, 251, 255
RGB Percent	28%, 98%, 100%
CMY	0.7215, 0.0157, 0.0000
CMYK	0.72, 0.02, 0.00, 0.00
HSL	181°, 100%, 64%
HSV	181°, 72%, 100%
XYZ	55.1457, 77.5540, 106.6707
YIQ	197.6360, -108.5640, -36.9160

Conversions

Conversions Part 2

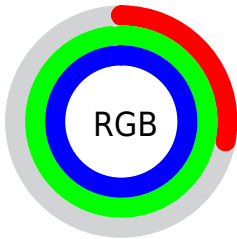
Format	Color
RYB	71, 162, 255
Decimal	4717567
CIELab	90.58, -42.36, -14.88
CIELCh	91, 44.894, 199.362
Yxy	77.5540, 0.2304, 0.3240
Android (android.graphics.Color)	4282907647 (0xFF47FBFF)
YUV	197.6360, 28.2805, -111.0598
Hunter-Lab	88.0647, -42.3375, -10.1712

Details

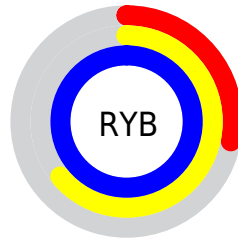
The XYZ color **55.1457, 77.5540, 106.6707** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.8943, 26.7484, 8.7600**, and the grayscale version is **53.3398, 56.1176, 61.1120**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **53.4805, 76.4408, 106.5436**, and if you desaturate by 10%, it is **57.5996, 79.0780, 106.8355**.

Distribution



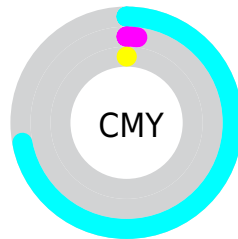
- Red (28%)
- Green (98%)
- Blue (100%)



- Red (28%)
- Yellow (64%)
- Blue (100%)



- Cyan (72%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1457, 77.5540, 106.6707 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 55.1457, 77.5540, 106.6707 by changing the saturation by 10% instead.

55.1457, 77.5540,
106.6707

55.1457, 77.5540,
106.6707

396.5914,
486.6508, 602.8027

39.7527, 57.7077,
81.2353

96.9015, 129.9212,
172.4260

27.5291, 41.5737,
60.2032

123.9949,
163.2109, 213.5829

18.1096, 28.7676,
43.1561

155.7193,
201.7505, 260.8175

11.1289, 18.9051,
29.6753

192.4398,
245.9244, 314.5481

6.2215, 11.6017,
19.3423

234.5220,
296.1170, 375.1934

3.0222, 6.4731,
11.7386

282.3311,

1.1655, 3.1348,

352.7126, 443.1719

6.4456

336.2324,
416.0958, 518.9022

■ 0.0789, 1.2025,
3.0447

■ 0.0000, 0.0638,
1.1175

■ 55.1457, 77.5540,
106.6707

■ 55.1457, 77.5540,
106.6707

■ 53.4805, 76.4408,
106.5436

■ 57.5996, 79.0780,
106.8355

■ 52.4921, 75.6755,
106.4480

■ 60.9232, 81.0493,
107.0408

■ 52.0685, 75.2570,
106.3895

■ 65.1944, 83.5099,
107.2907

■ 70.4808, 86.4947,
107.5882

■ 76.8437, 90.0351,
107.9362

■ 84.3398, 94.1605,
108.3374

■ 93.0217, 98.8979,
108.7942

■ 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.



54.4474, 77.5540, 73.5254



55.1457, 77.5540, 106.6707



60.5146, 77.5540, 140.6570

Triad

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



55.1457, 77.5540, 106.6707



91.3588, 77.5540, 131.5070



77.7745, 77.5540, 37.0506

Complementary

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



55.1457, 77.5540, 106.6707



44.8943, 26.7484, 8.7600

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.



88.7026, 77.5540, 45.6451



55.1457, 77.5540, 106.6707



97.0583, 77.5540, 96.3914

Square

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



55.1457, 77.5540, 106.6707



81.1126, 77.5540, 157.3301



96.0396, 77.5540, 65.5400



66.7772, 77.5540, 38.4756

Rectangle

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



55.1457, 77.5540, 106.6707



66.3550, 77.5540, 156.6179



96.0396, 77.5540, 65.5400



81.5952, 77.5540, 38.7552

Sweetspot

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



55.1478, 77.5568, 106.6711



76.9492, 90.0935, 107.9419



39.5981, 73.3555, 18.5644



16.0765, 19.0656, 23.0827



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.



55.1478, 77.5568, 106.6711



52.9240, 76.0299, 106.4936



33.2097, 33.6807, 99.3584



18.5191, 20.4097, 23.2134



27.2222, 39.3540, 55.5959



2.6609, 3.8524, 5.4166

Inverse Universe

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



60.9072, 32.7333, 94.3779



59.0718, 29.2696, 93.1279



56.0271, 49.0139, 12.4709



18.7746, 18.2932, 22.6964



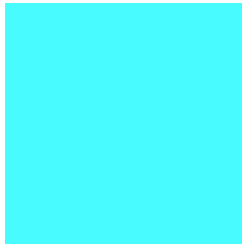
30.5287, 14.7008, 48.2962



2.9777, 1.4335, 4.7299

Previews

White Background



This preview shows how the XYZ color 55.1457, 77.5540, 106.6707 looks on a white background.

Color Contrast Check

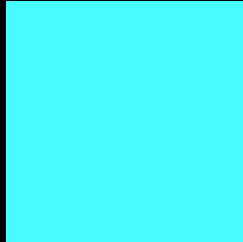
Large Text (above 18pt) WCAG AA × Fail

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 55.1457, 77.5540, 106.6707 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 55.1457, 77.5540, 106.6707

Background



This preview shows how black text looks on a background with the XYZ color 55.1457, 77.5540, 106.6707.

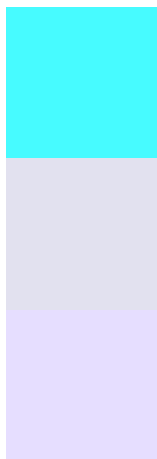


This preview shows how white text looks on a background with the XYZ color 55.1457, 77.5540,

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

55.1457, 77.5540, 106.6707

Protanopia

73.8692, 76.2512, 92.4860

Deuteranopia

76.8044, 76.2855, 105.2843



Tritanopia

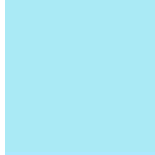
62.4542, 76.8060, 106.1411

Trichromacy



Original Color

55.1457, 77.5540, 106.6707



Protanomaly

62.4818, 73.9843, 97.3735



Deuteranomaly

64.2022, 74.2685, 105.5592



Tritanomaly

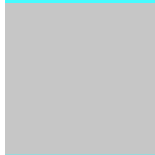
58.8708, 76.7358, 106.3164

Monochromacy



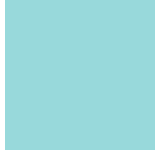
Original Color

55.1457, 77.5540, 106.6707



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.5479, 61.4156, 76.2081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1457, 77.5540, 106.6707 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(71, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.1457, 77.5540, 106.6707 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(71, 251, 255) }
```


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

```
.border{ border-color:rgb(71, 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(71, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1457, 77.5540, 106.6707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 251, 255) }
```

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

```
.background{ background-color: rgb(71, 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](#).

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