

Converting Colors

XYZ(55.4276, 78.5933,
106.8564)

Have a look what the booklet for
XYZ(55.4276, 78.5933, 106.8564)
contains.

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Color

**XYZ(55.4220, 78.6288,
106.8636)**

Conversions

Conversions Part 1

Format	Color
Hex	42FDFF
RGB	66, 253, 255
RGB Percent	26%, 99%, 100%
CMY	0.7411, 0.0078, 0.0000
CMYK	0.74, 0.01, 0.00, 0.00
HSL	181°, 100%, 63%
HSV	181°, 74%, 100%
XYZ	55.4220, 78.6288, 106.8636
YIQ	197.3150, -112.0940, -39.0220

Conversions

Conversions Part 2

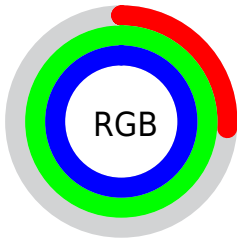
Format	Color
R _{YB}	66, 160, 255
Decimal	4390399
CIE _{Lab}	91.07, -43.77, -14.16
CIE _{LCh}	91, 46.005, 197.925
Y _{xy}	78.6288, 0.2300, 0.3264
Android (android.graphics.Color)	4282580479 (0xFF42FDFF)
YUV	197.3150, 28.4387, -115.1633
Hunter-Lab	88.6729, -43.6121, -9.3820

Details

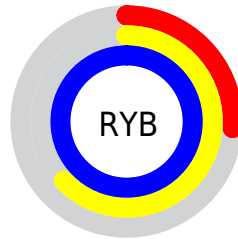
The XYZ color **55.4220, 78.6288, 106.8636** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.2914, 25.7889, 7.7996**, and the grayscale version is **53.1464, 55.9142, 60.8905**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **29.9330, 43.5571, 60.2558** is the 20% darker color. If you saturate the color by 10%, you get **53.9866, 77.7644, 106.7724**, and if you desaturate by 10%, it is **57.6267, 79.8934, 106.9915**.

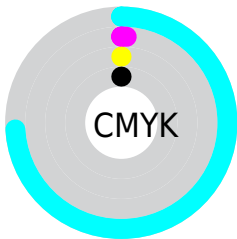
Distribution



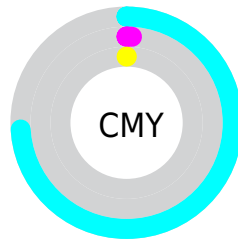
- Red (26%)
- Green (99%)
- Blue (100%)



- Red (26%)
- Yellow (63%)
- Blue (100%)



- Cyan (74%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4220, 78.6288, 106.8636 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 55.4220, 78.6288, 106.8636 by changing the saturation by 10% instead.

55.4220, 78.6288,
106.8636

55.4220, 78.6288,
106.8636

397.6200,
490.2997, 603.4146

39.9749, 58.5907,
81.3961

97.3037, 131.4362,
172.6917

27.7031, 42.2837,
60.3350

124.4690,
164.9742, 213.8893

18.2413, 29.3235,
43.2616

156.2710,
203.7809, 261.1675

11.2241, 19.3257,
29.7575

193.0752,
248.2408, 314.9447

6.2862, 11.9058,
19.4041

235.2468,
298.7382, 375.6395

3.0622, 6.6796,
11.7829

283.1512,

1.1867, 3.2625,

355.6576, 443.6703

6.4753

337.1539,
419.3833, 519.4559

■ 0.0958, 1.2703,
3.0628

■ 0.0000, 0.1180,
1.1268

■ 55.4220, 78.6288,
106.8636

■ 55.4220, 78.6288,
106.8636

■ 53.9866, 77.7644,
106.7724

■ 57.6267, 79.8934,
106.9915

■ 53.2038, 77.2349,
106.7114

■ 60.6846, 81.5964,
107.1590

■ 52.9567, 77.0335,
106.6856

■ 64.6757, 83.7805,
107.3702

■ 69.6688, 86.4814,
107.6284

■ 75.7265, 89.7313,
107.9364

■ 82.9062, 93.5598,
108.2970

■ 91.2612, 97.9943,
108.7126

■ 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.



54.9397, 78.6288, 72.9090



55.4220, 78.6288, 106.8636



60.7354, 78.6288, 142.4573

Triad

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



55.4220, 78.6288, 106.8636



92.5822, 78.6288, 136.0688



79.5080, 78.6288, 37.0349

Complementary

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



55.4220, 78.6288, 106.8636



44.2914, 25.7889, 7.7996

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.



90.7342, 78.6288, 46.3481



55.4220, 78.6288, 106.8636



98.7901, 78.6288, 99.7140

Square

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



55.4220, 78.6288, 106.8636



81.8264, 78.6288, 162.0995



98.0807, 78.6288, 67.3854



68.0644, 78.6288, 38.0105

Rectangle

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



55.4220, 78.6288, 106.8636



66.6453, 78.6288, 159.6852



98.0807, 78.6288, 67.3854



83.4527, 78.6288, 38.9406

Sweetspot

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



55.4241, 78.6316, 106.8640



77.1479, 90.4909, 108.0081



38.9914, 73.0722, 17.2056



16.1243, 19.1611, 23.0986



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.



55.4241, 78.6316, 106.8640



53.5303, 77.4676, 106.7391



32.9564, 33.6963, 99.3748



18.5375, 20.4466, 23.2195



27.6786, 40.2668, 55.7480



2.7001, 3.9308, 5.4297

Inverse Universe

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



60.9192, 32.2500, 95.9457



59.3228, 29.1594, 95.0987



54.8825, 46.9711, 11.3300



18.7839, 18.2969, 22.7454



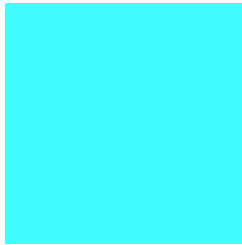
30.7591, 14.7929, 49.5092



2.9975, 1.4414, 4.8341

Previews

White Background



This preview shows how the XYZ color 55.4220, 78.6288, 106.8636 looks on a white background.

Color Contrast Check

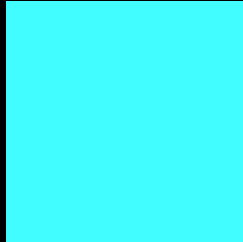
Large Text (above 18pt) WCAG AA × Fail

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 55.4220, 78.6288, 106.8636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

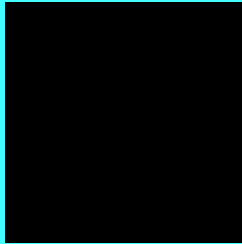
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4220, 78.6288, 106.8636

Background



This preview shows how black text looks on a background with the XYZ color 55.4220, 78.6288, 106.8636.

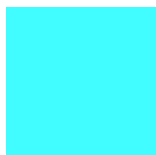


This preview shows how white text looks on a background with the XYZ color 55.4220, 78.6288,

Color Blindness Simulation

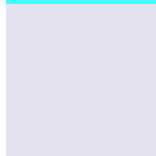
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



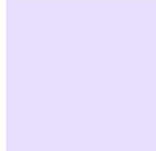
Original Color

55.4220, 78.6288, 106.8636



Protanopia

74.6239, 77.0597, 91.8298



Deuteranopia

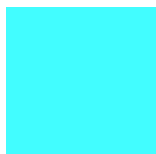
77.7164, 77.1512, 105.4033



Tritanopia

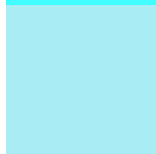
63.9027, 77.9934, 106.2939

Trichromacy



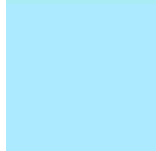
Original Color

55.4220, 78.6288, 106.8636



Protanomaly

62.6868, 74.9576, 96.7523



Deuteranomaly

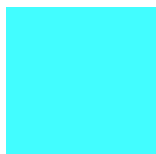
64.4861, 74.8363, 105.6538



Tritanomaly

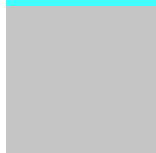
59.4632, 77.4915, 106.4311

Monochromacy



Original Color

55.4220, 78.6288, 106.8636



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.8622, 61.0772, 75.4907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4220, 78.6288, 106.8636 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(66, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 253, 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(66, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.4220, 78.6288, 106.8636 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(66, 253, 255) }
```


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

```
.border{ border-color:rgb(66, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4220, 78.6288, 106.8636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 253, 255) }
```

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

```
.background{ background-color: rgb(66, 253,  
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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