

Converting Colors

XYZ(55.7305, 80.1414, 88.4765)

Have a look what the booklet for
XYZ(55.7305, 80.1414, 88.4765)
contains.

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Color

**XYZ(55.6633, 80.1143,
88.1312)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFE7
RGB	102, 255, 231
RGB Percent	40%, 100%, 91%
CMY	0.6000, 0.0000, 0.0941
CMYK	0.60, 0.00, 0.09, 0.00
HSL	171°, 100%, 70%
HSV	171°, 60%, 100%
XYZ	55.6633, 80.1143, 88.1312
YIQ	206.5170, -83.4840, -39.9000

Conversions

Conversions Part 2

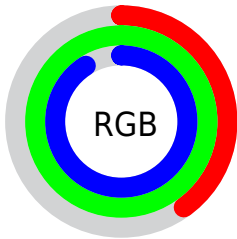
Format	Color
RYB	102, 185, 255
Decimal	6750183
CIELab	91.74, -46.06, -0.64
CIELCh	92, 46.060, 180.792
Yxy	80.1143, 0.2486, 0.3578
Android (android.graphics.Color)	4284940263 (0xFF66FFE7)
YUV	206.5170, 12.0701, -91.6614
Hunter-Lab	89.5066, -45.6291, 4.2757

Details

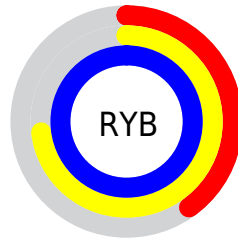
The XYZ color **55.6633, 80.1143, 88.1312** is a light color, and the websafe version is hex **33FFFF**. A complement of this color would be **49.7582, 32.2705, 23.3464**, and the grayscale version is **58.9616, 62.0322, 67.5531**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.0306, 43.5228, 47.9977** is the 20% darker color. If you saturate the color by 10%, you get **52.6463, 78.6235, 85.0757**, and if you desaturate by 10%, it is **59.5837, 82.0693, 91.2992**.

Distribution



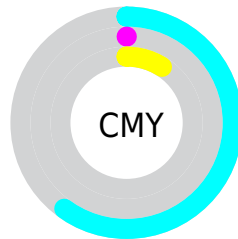
- Red (40%)
- Green (100%)
- Blue (91%)



- Red (40%)
- Yellow (73%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6633, 80.1143, 88.1312 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 55.6633, 80.1143, 88.1312 by changing the saturation by 10% instead.


 55.6633, 80.1143,
88.1312

 55.6633, 80.1143,
88.1312


398.5170,
495.3179, 542.3452


 40.1690, 59.8124,
65.8668


 97.6548, 133.5264,
146.6525

 27.8551, 43.2675,
47.7085


 124.8827,
167.4054, 183.7466

 18.3564, 30.0950,
33.2377

 156.7524,
206.5790, 226.6208

 11.3074, 19.9107,
22.0360

193.6294,
251.4314, 275.6939

 6.3428, 12.3302,
13.6848

235.8790,
302.3471, 331.3844

 3.0972, 6.9690,
7.7655

283.8666,

 1.2054, 3.4427,

359.7105, 394.1107

3.8597

337.9575,
423.9060, 464.2915

■ 0.1106, 1.3670,
1.5487

■ 0.0000, 0.1922,
0.2538

■ 55.6633, 80.1143,
88.1312

■ 55.6633, 80.1143,
88.1312

■ 52.6463, 78.6235,
85.0757

■ 59.5837, 82.0693,
91.2992

■ 50.4451, 77.5518,
82.1239


■ 64.4783, 84.5250,
94.5792

■ 48.9600, 76.8478,
79.2722

■ 70.4144, 87.5161,
97.9763

■ 48.0262, 76.4265,
76.5123

■ 77.4523, 91.0737,
101.4936

 48.0259, 76.4264,
76.5116

 85.6477, 95.2265,
105.1342

95.0500, 100.0000,
108.9000

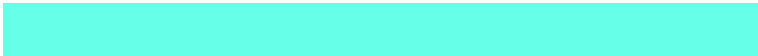
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.0321, 80.1143, 59.2429



55.6633, 80.1143, 88.1312



58.2939, 80.1143, 124.8450

Triad

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



55.6633, 80.1143, 88.1312



88.3442, 80.1143, 155.6898



87.7464, 80.1143, 41.9657

Complementary

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



55.6633, 80.1143, 88.1312



49.7582, 32.2705, 23.3464

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.



97.3153, 80.1143, 58.0503



55.6633, 80.1143, 88.1312



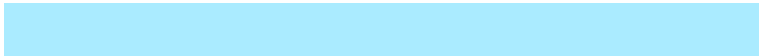
97.6847, 80.1143, 122.8817

Square

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



55.6633, 80.1143, 88.1312



76.4600, 80.1143, 169.5314



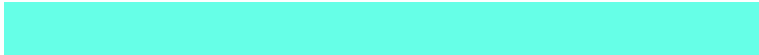
101.1229, 80.1143, 86.3367



75.8334, 80.1143, 37.1048

Rectangle

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



55.6633, 80.1143, 88.1312



62.7028, 80.1143, 147.7909



101.1229, 80.1143, 86.3367



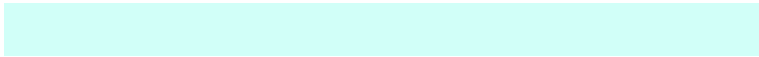
91.3857, 80.1143, 45.9923

Sweetspot

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



55.6643, 80.1148, 88.1326



78.9951, 91.8548, 102.2108



46.9864, 77.0304, 24.9639



16.4304, 19.4189, 21.6540



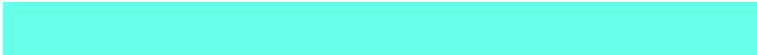
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.6643, 80.1148, 88.1326



52.1431, 78.3768, 84.4763



45.1236, 53.2319, 102.5043



18.4252, 20.4296, 22.5422



25.1406, 39.9528, 40.2211



2.4793, 3.9027, 4.0820

Inverse Universe

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



49.7582, 32.2705, 23.3464



45.8287, 26.7415, 14.8533



55.0305, 45.0033, 18.3581



18.1255, 18.0335, 19.2781



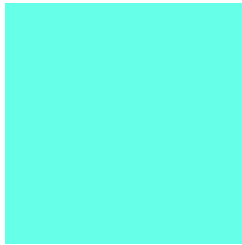
21.7831, 11.2025, 2.2424



2.1529, 1.1035, 0.3867

Previews

White Background



This preview shows how the XYZ color 55.6633, 80.1143, 88.1312 looks on a white background.

Color Contrast Check

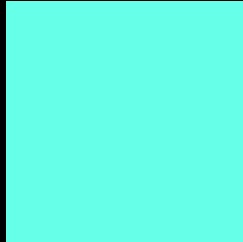
Large Text (above 18pt) WCAG AA × Fail

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 55.6633, 80.1143, 88.1312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

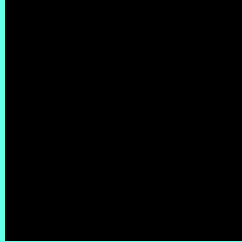
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6633, 80.1143, 88.1312

Background



This preview shows how black text looks on a background with the XYZ color 55.6633, 80.1143, 88.1312.

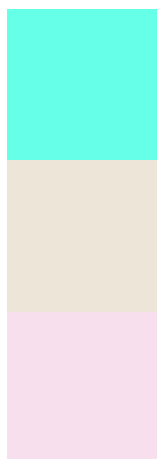


This preview shows how white text looks on a background with the XYZ color 55.6633, 80.1143,

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

55.6633, 80.1143, 88.1312

Protanopia

75.3390, 79.0010, 76.2437

Deuteranopia

80.5317, 78.9049, 91.8746



Tritanopia

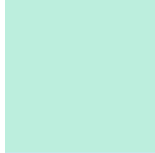
66.5967, 79.3822, 106.4200

Trichromacy



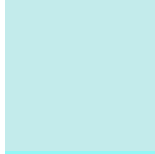
Original Color

55.6633, 80.1143, 88.1312



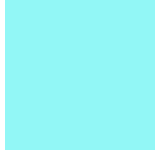
Protanomaly

64.3647, 77.0609, 79.8885



Deuteranomaly

67.2094, 77.0169, 89.9207



Tritanomaly

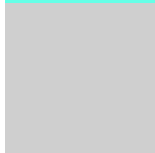
61.7494, 79.2863, 99.2380

Monochromacy



Original Color

55.6633, 80.1143, 88.1312



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.4125, 66.7042, 74.9204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6633, 80.1143, 88.1312 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(102, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 231)  
}
```

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(102, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 55.6633, 80.1143, 88.1312 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(102, 255, 231) }
```


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

```
.border{ border-color:rgb(102, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6633, 80.1143, 88.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 231) }
```

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

```
.background{ background-color: rgb(102,  
255, 231) }
```

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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