

Converting Colors

XYZ(55.3120, 68.6405,
104.9414)

Have a look what the booklet for
XYZ(55.3120, 68.6405, 104.9414)
contains.

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Color

**XYZ(55.2489, 68.4028,
104.8989)**

Conversions

Conversions Part 1

Format	Color
Hex	80E6FF
RGB	128, 230, 255
RGB Percent	50%, 90%, 100%
CMY	0.4980, 0.0980, 0.0000
CMYK	0.50, 0.10, 0.00, 0.00
HSL	192°, 100%, 75%
HSV	192°, 50%, 100%
XYZ	55.2489, 68.4028, 104.8989
YIQ	202.3520, -68.8170, -13.8490

Conversions

Conversions Part 2

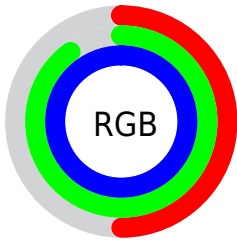
Format	Color
R _Y B	128, 185, 255
Decimal	8447743
CIE Lab	86.21, -23.27, -21.31
CIE LCh	86, 31.550, 222.489
Yxy	68.4028, 0.2417, 0.2993
Android (android.graphics.Color)	4286637823 (0xFF80E6FF)
YUV	202.3520, 25.9555, -65.2067
Hunter-Lab	82.7060, -25.4947, -17.3054

Details

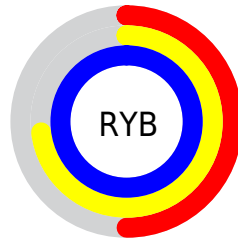
The XYZ color **55.2489, 68.4028, 104.8989** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.5283, 45.6019, 26.2468**, and the grayscale version is **56.2344, 59.1629, 64.4284**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **27.5091, 35.4731, 58.8232** is the 20% darker color. If you saturate the color by 10%, you get **50.5080, 63.9164, 104.2828**, and if you desaturate by 10%, it is **60.9974, 73.4714, 105.5742**.

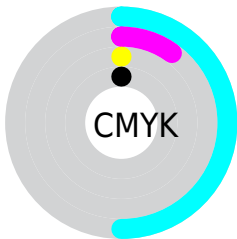
Distribution



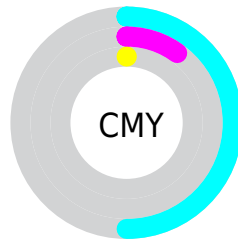
- Red (50%)
- Green (90%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2489, 68.4028, 104.8989 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 55.2489, 68.4028, 104.8989 by changing the saturation by 10% instead.

55.2489, 68.4028,
104.8989

55.2489, 68.4028,
104.8989

396.9758,
454.9218, 597.1677

39.8357, 50.2255,
79.7585

97.0517, 116.9282,
169.9836

27.5941, 35.5926,
58.9946

124.1720,
148.0451, 210.7650

18.1588, 24.1197,
42.1888

155.9254,
184.2439, 257.5971

11.1644, 15.4225,
28.9225

192.6772,
225.9092, 310.8985

6.2456, 9.1164,
18.7771

234.7928,
273.4252, 371.0878

3.0371, 4.8172,
11.3342

282.6375,

1.1734, 2.1404,

327.1764, 438.5833

6.1751

336.5768,
387.5471, 513.8038

■ 0.0852, 0.6872,
2.8813

■ 0.0000, 0.0000,
1.0344

■ 55.2489, 68.4028,
104.8989

■ 55.2489, 68.4028,
104.8989

■ 50.5080, 63.9164,
104.2828

■ 60.9974, 73.4714,
105.5742

■ 46.6951, 59.9662,
103.7213

■ 67.8142, 79.1493,
106.3109

■ 43.7276, 56.5104,
103.2107

■ 75.7617, 85.4708,
107.1122

■ 41.5047, 53.4968,
102.7461

■ 84.8956, 92.4652,
107.9808

■ 39.8656, 50.8417, 95.0500, 100.0000,
102.3200 108.9000

■ 39.8354, 50.7909,
102.3118

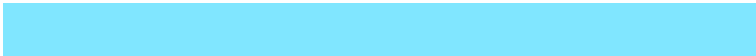
Harmonies

Analogous

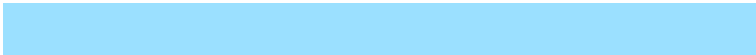
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.3084, 68.4028, 83.4691



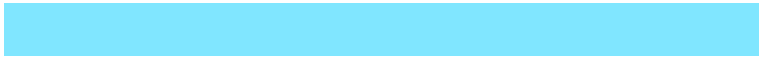
55.2489, 68.4028, 104.8989



60.9018, 68.4028, 119.5137

Triad

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



55.2489, 68.4028, 104.8989



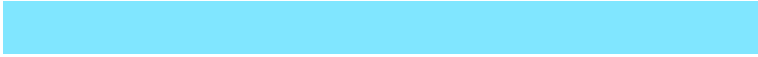
79.2662, 68.4028, 87.1760



62.0407, 68.4028, 41.8512

Complementary

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



55.2489, 68.4028, 104.8989



56.5283, 45.6019, 26.2468

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.



69.3089, 68.4028, 42.4720



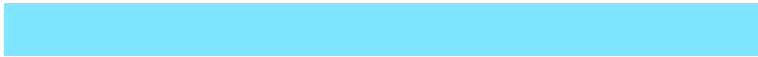
55.2489, 68.4028, 104.8989



79.6283, 68.4028, 66.1588

Square

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



55.2489, 68.4028, 104.8989



74.9133, 68.4028, 108.0443



75.8686, 68.4028, 50.5944



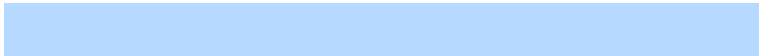
56.0290, 68.4028, 48.7030

Rectangle

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



55.2489, 68.4028, 104.8989



65.6233, 68.4028, 122.0202



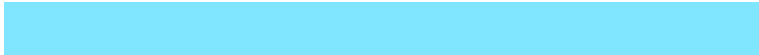
75.8686, 68.4028, 50.5944



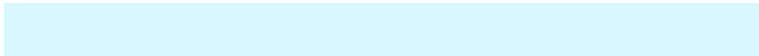
64.4101, 68.4028, 41.2353

Sweetspot

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



55.2508, 68.4053, 104.8993



79.9961, 88.7435, 107.5207



50.2723, 78.3534, 41.8751



16.7172, 18.6831, 22.9751



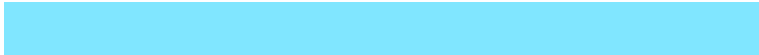
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.2508, 68.4053, 104.8993



50.4236, 63.8330, 104.2711



40.9964, 39.8965, 100.1478



18.2332, 19.8381, 23.1181



20.9222, 26.7540, 53.4959



2.1110, 2.7527, 5.2333

Inverse Universe

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



63.2434, 42.4133, 79.7189



59.5663, 36.1927, 74.9982



69.3824, 71.3102, 30.5315



18.6304, 18.2355, 21.9367



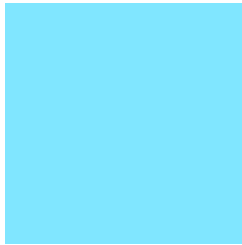
27.3488, 13.4288, 31.5507



2.7001, 1.3224, 3.2683

Previews

White Background



This preview shows how the XYZ color 55.2489, 68.4028, 104.8989 looks on a white background.

Color Contrast Check

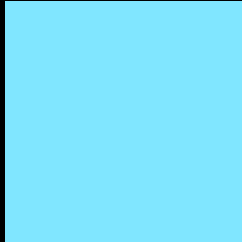
Large Text (above 18pt) WCAG AA × Fail

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 55.2489, 68.4028, 104.8989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

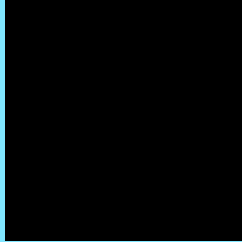
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2489, 68.4028, 104.8989

Background



This preview shows how black text looks on a background with the XYZ color 55.2489, 68.4028, 104.8989.

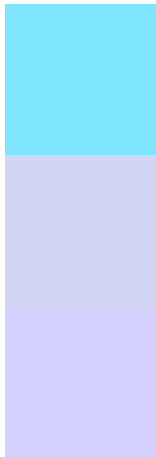


This preview shows how white text looks on a background with the XYZ color 55.2489, 68.4028,

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

55.2489, 68.4028, 104.8989

Protanopia

66.7017, 67.8218, 95.1633

Deuteranopia

68.5372, 67.4593, 104.0164



Tritanopia

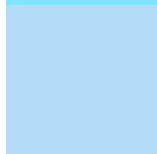
54.4354, 68.4896, 100.7932

Trichromacy



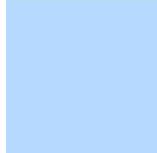
Original Color

55.2489, 68.4028, 104.8989



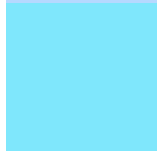
Protanomaly

61.0972, 67.1436, 98.5468



Deuteranomaly

62.1543, 66.7908, 104.2238



Tritanomaly

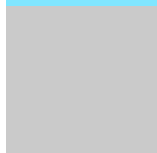
54.8990, 68.6921, 102.4609

Monochromacy



Original Color

55.2489, 68.4028, 104.8989



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

54.2738, 61.4214, 77.4016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2489, 68.4028, 104.8989 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(128, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 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(128, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.2489, 68.4028, 104.8989 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(128, 230, 255) }
```


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

```
.border{ border-color:rgb(128, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2489, 68.4028, 104.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 255) }
```

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

```
.background{ background-color: rgb(128,  
230, 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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