

Converting Colors

XYZ(54.2217, 70.0064,
105.7897)

Have a look what the booklet for
XYZ(54.2217, 70.0064, 105.7897)
contains.

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Color

**XYZ(54.0650, 69.8879,
105.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	6DEBFF
RGB	109, 235, 255
RGB Percent	43%, 92%, 100%
CMY	0.5725, 0.0784, 0.0000
CMYK	0.57, 0.08, 0.00, 0.00
HSL	188°, 100%, 71%
HSV	188°, 57%, 100%
XYZ	54.0650, 69.8879, 105.2479
YIQ	199.6060, -81.5160, -20.4920

Conversions

Conversions Part 2

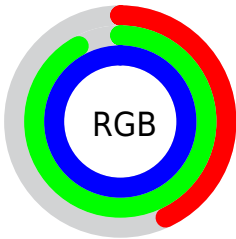
Format	Color
RYB	109, 177, 255
Decimal	7203839
CIELab	86.94, -29.43, -20.26
CIELCh	87, 35.734, 214.545
Yxy	69.8879, 0.2359, 0.3049
Android (android.graphics.Color)	4285393919 (0xFF6DEBFF)
YUV	199.6060, 27.3092, -79.4615
Hunter-Lab	83.5990, -30.8590, -16.1245

Details

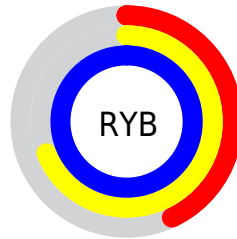
The XYZ color **54.0650, 69.8879, 105.2479** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.8514, 38.0657, 19.0846**, and the grayscale version is **54.5330, 57.3730, 62.4792**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **26.8486, 36.5934, 59.0743** is the 20% darker color. If you saturate the color by 10%, you get **50.3813, 66.5205, 104.7921**, and if you desaturate by 10%, it is **58.6818, 73.7686, 105.7537**.

Distribution



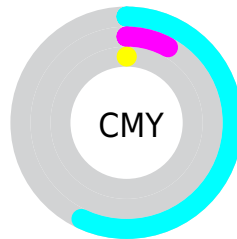
- Red (43%)
- Green (92%)
- Blue (100%)



- Red (43%)
- Yellow (69%)
- Blue (100%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0650, 69.8879, 105.2479 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 54.0650, 69.8879, 105.2479 by changing the saturation by 10% instead.

54.0650, 69.8879,
105.2479

54.0650, 69.8879,
105.2479

392.5521,
460.1563, 598.2799

38.8845, 51.4352,
80.0492

95.3260, 119.0489,
170.4650

26.8502, 36.5550,
59.2325

122.1372,
150.5259, 211.3206

17.5968, 24.8632,
42.3790

153.5561,
187.1131, 258.2322

10.7588, 15.9751,
29.0704

189.9479,
229.1950, 311.6184

5.9710, 9.5066,
18.8881

231.6781,
277.1558, 371.8977

2.8679, 5.0730,
11.4134

279.1119,

1.0843, 2.2902,

331.3801, 439.4887

6.2280

332.6148,
392.2521, 514.8099

■ 0.0119, 0.7685,
2.9132

■ 0.0000, 0.0000,
1.0505

■ 54.0650, 69.8879,
105.2479

■ 54.0650, 69.8879,
105.2479

■ 50.3813, 66.5205,
104.7921

■ 58.6818, 73.7686,
105.7537

■ 47.5438, 63.6166,
104.3812

■ 64.2975, 78.1921,
106.3115

■ 45.4587, 61.1296,
104.0110

■ 70.9785, 83.1942,
106.9249

■ 44.0029, 58.9955,
103.6758

■ 78.7838, 88.8055,
107.5966

■ 43.6624, 58.4448,
103.5875

■ 87.7680, 95.0543,
108.3292

95.0500, 100.0000,
108.9000

Harmonies

Analogous

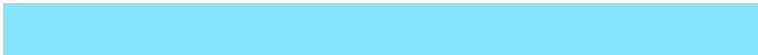
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6782, 69.8879, 79.7969



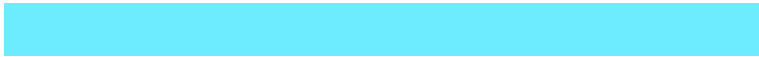
54.0650, 69.8879, 105.2479



59.7648, 69.8879, 125.5976

Triad

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



54.0650, 69.8879, 105.2479



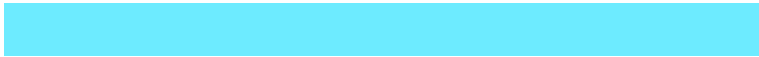
81.9962, 69.8879, 97.6089



65.1626, 69.8879, 38.8591

Complementary

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



54.0650, 69.8879, 105.2479



51.8514, 38.0657, 19.0846

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.



73.5654, 69.8879, 41.6830



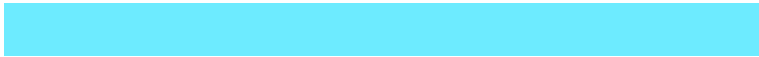
54.0650, 69.8879, 105.2479



83.7431, 69.8879, 72.5114

Square

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



54.0650, 69.8879, 105.2479



75.9487, 69.8879, 120.5788



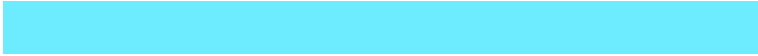
80.5414, 69.8879, 52.8953



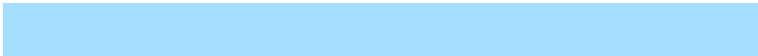
57.7351, 69.8879, 44.1694

Rectangle

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



54.0650, 69.8879, 105.2479



64.9125, 69.8879, 131.6323



80.5414, 69.8879, 52.8953



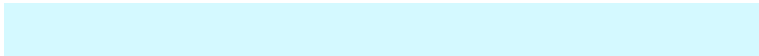
67.9636, 69.8879, 38.8997

Sweetspot

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



54.0669, 69.8904, 105.2483



78.9956, 88.9551, 107.6143



45.9950, 76.3427, 32.8971



16.5515, 18.7873, 23.0039



0.0000, 0.0000, 0.0000



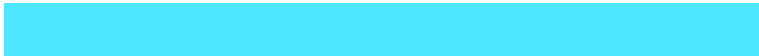
20.3446, 21.4041, 23.3091

Same Dimension

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



54.0669, 69.8904, 105.2483



49.8267, 65.9806, 104.7171



37.3728, 36.5022, 99.6836



18.3302, 20.0321, 23.1504



22.8966, 30.7027, 54.1540



2.2854, 3.1014, 5.2915

Inverse Universe

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



61.7053, 38.1972, 82.7206



58.4493, 32.6231, 78.7439



64.9969, 64.3567, 23.4664



18.6793, 18.2550, 22.1945



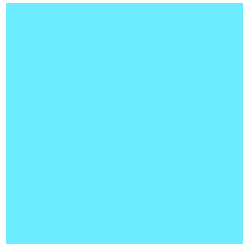
28.3453, 13.8274, 36.7985



2.7882, 1.3576, 3.7318

Previews

White Background



This preview shows how the XYZ color 54.0650, 69.8879, 105.2479 looks on a white background.

Color Contrast Check

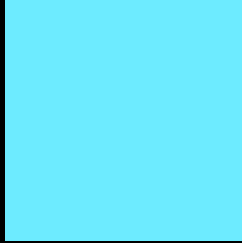
Large Text (above 18pt) WCAG AA × Fail

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 54.0650, 69.8879, 105.2479 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 54.0650, 69.8879, 105.2479

Background



This preview shows how black text looks on a background with the XYZ color 54.0650, 69.8879, 105.2479.

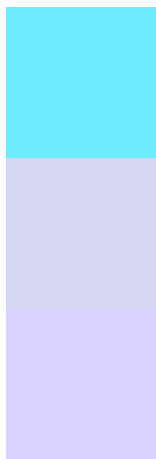


This preview shows how white text looks on a background with the XYZ color 54.0650, 69.8879,

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

54.0650, 69.8879, 105.2479

Protanopia

67.7680, 69.1578, 93.7814

Deuteranopia

69.9124, 68.9059, 104.2231



Tritanopia

53.9044, 69.8236, 104.4022

Trichromacy



Original Color

54.0650, 69.8879, 105.2479



Protanomaly

60.5890, 68.0719, 97.9415



Deuteranomaly

61.7747, 67.7535, 104.4296



Tritanomaly

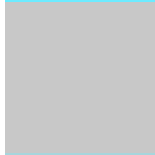
53.9044, 69.8236, 104.4022

Monochromacy



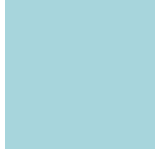
Original Color

54.0650, 69.8879, 105.2479



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.6489, 60.9713, 76.7039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.0650, 69.8879, 105.2479 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(109, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 235, 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(109, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.0650, 69.8879, 105.2479 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(109, 235, 255) }
```


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

```
.border{ border-color:rgb(109, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.0650, 69.8879, 105.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 235, 255) }
```

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

```
.background{ background-color: rgb(109,  
235, 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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