

Converting Colors

XYZ(57.7690, 69.7423,
142.9766)

Have a look what the booklet for
XYZ(57.7690, 69.7423, 142.9766)
contains.

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Color

**XYZ(50.4739, 66.7722,
104.8358)**

Conversions

Conversions Part 1

Format	Color
Hex	53E8FF
RGB	83, 232, 255
RGB Percent	33%, 91%, 100%
CMY	0.6745, 0.0902, 0.0000
CMYK	0.67, 0.09, 0.00, 0.00
HSL	188°, 100%, 66%
HSV	188°, 67%, 100%
XYZ	50.4739, 66.7722, 104.8358
YIQ	190.0710, -96.1870, -24.4350

Conversions

Conversions Part 2

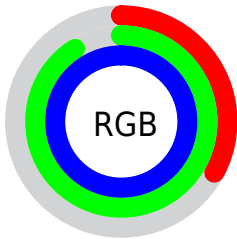
Format	Color
R _Y B	83, 163, 255
Decimal	5499135
CIE Lab	85.39, -32.12, -22.68
CIE LCh	85, 39.323, 215.227
Yxy	66.7722, 0.2273, 0.3007
Android (android.graphics.Color)	4283689215 (0xFF53E8FF)
YUV	190.0710, 32.0100, -93.9013
Hunter-Lab	81.7143, -32.7427, -18.8665

Details

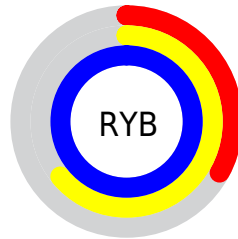
The XYZ color **50.4739, 66.7722, 104.8358** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.9566, 32.1943, 11.8723**, and the grayscale version is **48.8481, 51.3920, 55.9659**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **25.7184, 35.1279, 58.8509** is the 20% darker color. If you saturate the color by 10%, you get **47.6736, 63.9190, 104.4327**, and if you desaturate by 10%, it is **54.1233, 70.0936, 105.2846**.

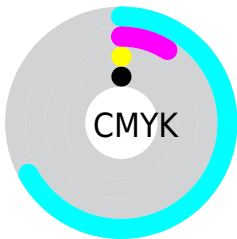
Distribution



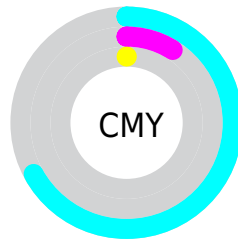
- Red (33%)
- Green (91%)
- Blue (100%)



- Red (33%)
- Yellow (64%)
- Blue (100%)



- Cyan (67%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4739, 66.7722, 104.8358 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 50.4739, 66.7722, 104.8358 by changing the saturation by 10% instead.

50.4739, 66.7722,
104.8358

50.4739, 66.7722,
104.8358

378.9377,
449.1335, 596.9665

36.0094, 48.8995,
79.7059

90.0643, 114.5939,
169.8966

24.6116, 34.5398,
58.9516

115.9209,
145.3118, 210.6645

15.9151, 23.3086,
42.1544

146.3055,
181.0802, 257.4823

9.5546, 14.8215,
28.8958

181.5837,
222.2834, 310.7683

5.1646, 8.6942,
18.7571

222.1206,
269.3060, 370.9412

2.3799, 4.5423,
11.3198

268.2817,

0.8351, 1.9813,

322.5323, 438.4196

6.1655

320.4323,
382.3466, 513.6218

■ 0.0000, 0.5966,
2.8756

■ 0.0000, 0.0000,
1.0315

■ 50.4739, 66.7722,
104.8358

■ 50.4739, 66.7722,
104.8358

■ 47.6736, 63.9190,
104.4327

■ 54.1233, 70.0936,
105.2846

■ 45.6210, 61.4773,
104.0696

■ 58.6978, 73.9183,
105.7817

■ 44.1929, 59.3848,
103.7410

■ 64.2709, 78.2858,
106.3310

■ 43.8811, 58.8822,
103.6604

■ 70.9071, 83.2294,
106.9354

■ 78.6656, 88.7799,
107.5978

■ 87.6010, 94.9654,
108.3208

95.0500, 100.0000,
108.9000

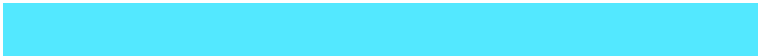
Harmonies

Analogous

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



47.8875, 66.7722, 77.2657



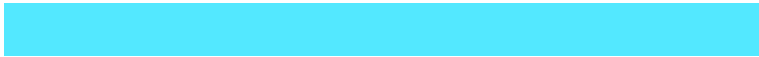
50.4739, 66.7722, 104.8358



56.5536, 66.7722, 126.9714

Triad

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



50.4739, 66.7722, 104.8358



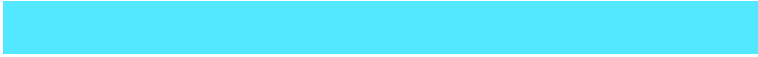
80.3257, 66.7722, 95.2614



61.9170, 66.7722, 33.9715

Complementary

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



50.4739, 66.7722, 104.8358



47.9566, 32.1943, 11.8723

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.



70.9177, 66.7722, 36.6341



50.4739, 66.7722, 104.8358



82.0999, 66.7722, 68.3246

Square

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



50.4739, 66.7722, 104.8358



73.8687, 66.7722, 120.5987



78.5133, 66.7722, 47.9158



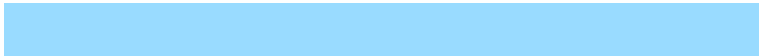
54.0871, 66.7722, 39.5381

Rectangle

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



50.4739, 66.7722, 104.8358



62.0501, 66.7722, 133.3773



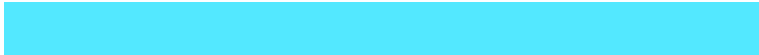
78.5133, 66.7722, 47.9158



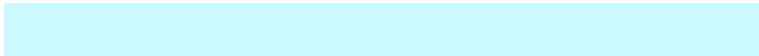
64.9012, 66.7722, 33.9511

Sweetspot

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



50.4758, 66.7746, 104.8362



76.5748, 87.3034, 107.4231



41.9268, 74.3989, 25.7707



15.9163, 18.3488, 22.9527



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.



50.4758, 66.7746, 104.8362



46.8640, 63.0068, 104.2993



31.9085, 29.6399, 98.6471



18.3355, 20.0427, 23.1522



23.0093, 30.9281, 54.1916



2.2953, 3.1212, 5.2948

Inverse Universe

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



58.9000, 33.2746, 79.6646



56.2334, 28.9781, 75.5794



61.6376, 59.5564, 16.4327



18.6820, 18.2561, 22.2086



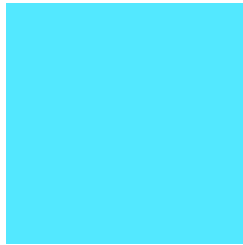
28.4022, 13.8502, 37.0981



2.7931, 1.3596, 3.7581

Previews

White Background



This preview shows how the XYZ color 50.4739, 66.7722, 104.8358 looks on a white background.

Color Contrast Check

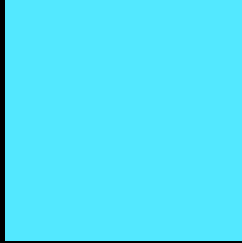
Large Text (above 18pt) WCAG AA × Fail

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 50.4739, 66.7722, 104.8358 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 50.4739, 66.7722, 104.8358

Background



This preview shows how black text looks on a background with the XYZ color 50.4739, 66.7722, 104.8358.

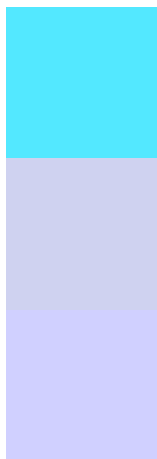


This preview shows how white text looks on a background with the XYZ color 50.4739, 66.7722,

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

50.4739, 66.7722, 104.8358

Protanopia

64.5069, 65.6499, 91.7099

Deuteranopia

66.6183, 65.7416, 103.7860



Tritanopia

49.9448, 66.9922, 101.5652

Trichromacy



Original Color

50.4739, 66.7722, 104.8358



Protanomaly

56.4531, 64.4168, 95.8445



Deuteranomaly

57.9671, 64.6322, 104.0278



Tritanomaly

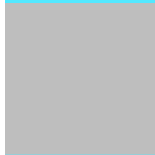
50.1893, 67.0999, 102.4018

Monochromacy



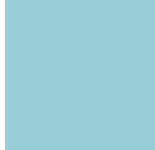
Original Color

50.4739, 66.7722, 104.8358



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.7314, 55.0970, 71.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4739, 66.7722, 104.8358 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(83, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 232, 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(83, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.4739, 66.7722, 104.8358 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(83, 232, 255) }
```


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

```
.border{ border-color:rgb(83, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4739, 66.7722, 104.8358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 232, 255) }
```

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

```
.background{ background-color: rgb(83, 232,  
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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