

Converting Colors

XYZ(39.4077, 44.2434,
100.1691)

Have a look what the booklet for
XYZ(39.4077, 44.2434, 100.1691)
contains.

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Color

**XYZ(39.4728, 44.3483,
100.2456)**

Conversions

Conversions Part 1

Format	Color
Hex	58BAFE
RGB	88, 186, 254
RGB Percent	35%, 73%, 100%
CMY	0.6549, 0.2706, 0.0039
CMYK	0.65, 0.27, 0.00, 0.00
HSL	205°, 99%, 67%
HSV	205°, 65%, 100%
XYZ	39.4728, 44.3483, 100.2456
YIQ	164.4500, -80.2360, 0.3720

Conversions

Conversions Part 2

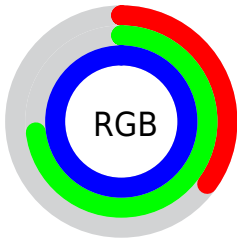
Format	Color
R _Y B	88, 150, 254
Decimal	5815038
CIE Lab	72.46, -8.26, -42.05
CIE LCh	72, 42.849, 258.892
Yxy	44.3483, 0.2144, 0.2409
Android (android.graphics.Color)	4284005118 (0xFF58BAFE)
YUV	164.4500, 44.1482, -67.0466
Hunter-Lab	66.5945, -10.7375, -42.6338

Details

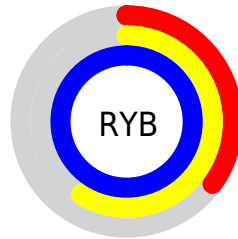
The XYZ color **39.4728, 44.3483, 100.2456** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **54.5251, 45.5554, 15.1538**, and the grayscale version is **35.3263, 37.1660, 40.4738**.

A 20% lighter version of the original color is **62.7510, 77.3997, 106.2400**, and **18.4656, 20.8063, 55.8661** is the 20% darker color. If you saturate the color by 10%, you get **35.3611, 39.0927, 99.4488**, and if you desaturate by 10%, it is **44.5844, 50.3578, 101.1370**.

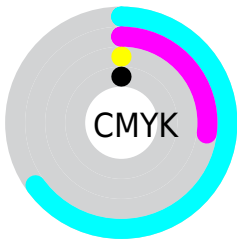
Distribution



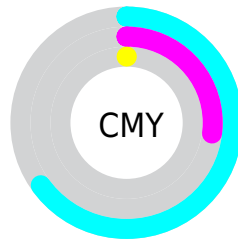
- Red (35%)
- Green (73%)
- Blue (100%)



- Red (35%)
- Yellow (59%)
- Blue (100%)



- Cyan (65%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4728, 44.3483, 100.2456 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 39.4728, 44.3483, 100.2456 by changing the saturation by 10% instead.

■ 39.4728, 44.3483,
100.2456

■ 39.4728, 44.3483,
100.2456

335.0691,
364.1277, 582.2332

■ 27.3101, 30.9444,
75.8876

■ 73.6495, 81.7416,
163.5495

■ 17.9441, 20.5565,
55.8343

■ 96.3942, 106.4998,
203.3325

■ 11.0093, 12.8002,
39.6670

■ 123.3970,
135.8116, 249.0942

■ 6.1404, 7.2911,
26.9672

■ 155.0232,
170.0613, 301.2533

■ 2.9721, 3.6448,
17.3163

191.6381,
209.6334, 360.2281

■ 1.1390, 1.4769,
10.2960

233.6072,

■ 0.0574, 0.2724,

254.9122, 426.4374

5.4875

281.2957,
306.2822, 500.2996

■ 0.0000, 0.0000,
2.4723

■ 0.0000, 0.0000,
0.8254

■ 39.4728, 44.3483,
100.2456

■ 39.4728, 44.3483,
100.2456

■ 35.3611, 39.0927,
99.4488

■ 44.5844, 50.3578,
101.1370

■ 32.1499, 34.5326,
98.7378

■ 50.7728, 57.1634,
102.1245

■ 29.7244, 30.6045,
98.1075

■ 58.1118, 64.8088,
103.2134

■ 28.7878, 28.9524,
97.8379

■ 66.6673, 73.3325,
104.4077

■ 76.4996, 82.7700,
105.7111

■ 87.6650, 93.1546,
107.1271

94.8896, 99.9358,
108.0552

Harmonies

Analogous

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



33.4818, 44.3483, 85.9027



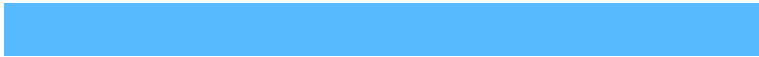
39.4728, 44.3483, 100.2456



46.9225, 44.3483, 97.9363

Triad

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



39.4728, 44.3483, 100.2456



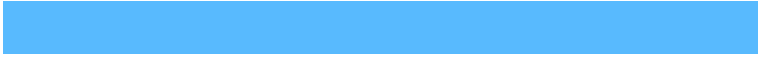
57.0772, 44.3483, 36.2723



32.3253, 44.3483, 26.1676

Complementary

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



39.4728, 44.3483, 100.2456



54.5251, 45.5554, 15.1538

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.



37.7158, 44.3483, 19.1100



39.4728, 44.3483, 100.2456



52.2024, 44.3483, 23.6557

Square

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



39.4728, 44.3483, 100.2456



57.6906, 44.3483, 56.5606



44.9492, 44.3483, 18.3495



29.6883, 44.3483, 40.8637

Rectangle

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



39.4728, 44.3483, 100.2456



51.7185, 44.3483, 87.3964



44.9492, 44.3483, 18.3495



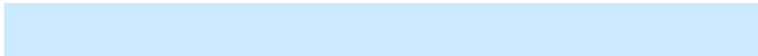
33.8441, 44.3483, 23.0326

Sweetspot

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



39.4744, 44.3498, 100.2467



72.4054, 78.9644, 106.0332



45.3342, 75.3061, 42.8957



14.9093, 16.3347, 22.6171



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.



39.4744, 44.3498, 100.2467



34.7301, 38.1508, 100.1411



26.9268, 19.2546, 96.0642



17.8944, 19.1605, 23.0052



15.3260, 15.5615, 51.6305



1.5998, 1.7303, 5.0629

Inverse Universe

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



53.2271, 31.5973, 49.7493



50.2523, 27.1354, 42.3888



73.0360, 82.5772, 21.3241



18.4594, 18.1671, 21.0361



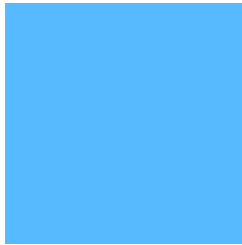
24.5240, 12.2989, 16.6759



2.4421, 1.2192, 1.9096

Previews

White Background



This preview shows how the XYZ color 39.4728, 44.3483, 100.2456 looks on a white background.

Color Contrast Check

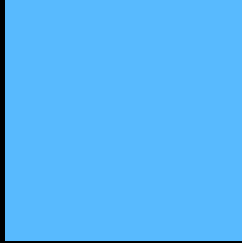
Large Text (above 18pt) WCAG AA × Fail

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 39.4728, 44.3483, 100.2456 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

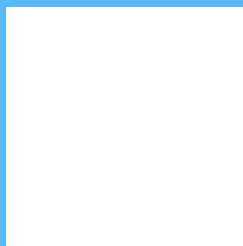
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4728, 44.3483, 100.2456

Background



This preview shows how black text looks on a background with the XYZ color 39.4728, 44.3483, 100.2456.

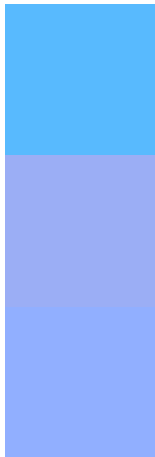


This preview shows how white text looks on a background with the XYZ color 39.4728, 44.3483,

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

39.4728, 44.3483, 100.2456

Protanopia

45.1351, 43.8332, 92.4680

Deuteranopia

45.0570, 43.8997, 100.7065



Tritanopia

32.9745, 44.2935, 67.7843

Trichromacy



Original Color

39.4728, 44.3483, 100.2456

Protanomaly

42.2237, 43.4434, 94.9669

Deuteranomaly

42.4823, 43.7453, 100.8124

Tritanomaly

35.0308, 44.1303, 78.6232

Monochromacy



Original Color

39.4728, 44.3483, 100.2456

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.9839, 38.7705, 58.4629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4728, 44.3483, 100.2456 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(88, 186, 254)` looks like.

```
.text, #text, p{  
    color:rgb(88, 186, 254)  
}
```

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(88, 186, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 186, 254) }
```

Border

The CSS property to change the border of an element to XYZ 39.4728, 44.3483, 100.2456 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(88, 186, 254) }
```


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

```
.border{ border-color:rgb(88, 186, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 186, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 186, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 186, 254);  
box-shadow:4px 4px 4px 4px rgb(88, 186,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4728, 44.3483, 100.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 186, 254) }
```

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

```
.background{ background-color: rgb(88, 186,  
254) }
```

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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