

Converting Colors

XYZ(39.7425, 44.4513,
101.0926)

Have a look what the booklet for
XYZ(39.7425, 44.4513, 101.0926)
contains.

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Color

**XYZ(39.7287, 44.4617,
101.0958)**

Conversions

Conversions Part 1

Format	Color
Hex	59BAFF
RGB	89, 186, 255
RGB Percent	35%, 73%, 100%
CMY	0.6509, 0.2706, 0.0000
CMYK	0.65, 0.27, 0.00, 0.00
HSL	205°, 100%, 67%
HSV	205°, 65%, 100%
XYZ	39.7287, 44.4617, 101.0958
YIQ	164.8630, -79.9610, 0.8950

Conversions

Conversions Part 2

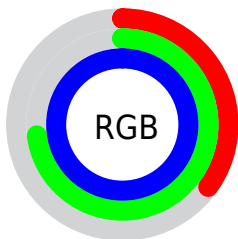
Format	Color
RYB	89, 150, 255
Decimal	5880575
CIELab	72.54, -7.78, -42.47
CIELCh	73, 43.171, 259.624
Yxy	44.4617, 0.2144, 0.2400
Android (android.graphics.Color)	4284070655 (0xFF59BAFF)
YUV	164.8630, 44.4375, -66.5319
Hunter-Lab	66.6796, -10.3364, -43.2164

Details

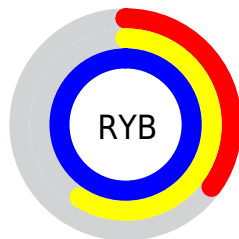
The XYZ color **39.7287, 44.4617, 101.0958** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **55.2715, 46.4373, 15.5033**, and the grayscale version is **35.5217, 37.3716, 40.6976**.

A 20% lighter version of the original color is **62.9390, 77.4966, 106.2488**, and **18.5806, 20.8523, 56.4717** is the 20% darker color. If you saturate the color by 10%, you get **35.5411, 39.1107, 100.2836**, and if you desaturate by 10%, it is **44.9318, 50.5837, 102.0032**.

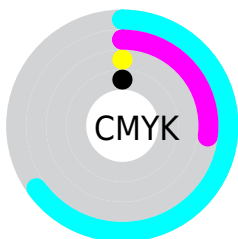
Distribution



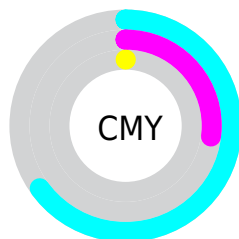
- Red (35%)
- Green (73%)
- Blue (100%)



- 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 39.7287, 44.4617, 101.0958 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 39.7287, 44.4617, 101.0958 by changing the saturation by 10% instead.

■ 39.7287, 44.4617,
101.0958

■ 39.7287, 44.4617,
101.0958

336.1328,
364.5890, 584.9769

■ 27.5103, 31.0336,
76.5940

■ 74.0372, 81.9120,
164.7272

■ 18.0954, 20.6245,
56.4102

■ 96.8580, 106.7031,
204.6940

■ 11.1186, 12.8498,
40.1257

■ 123.9437,
136.0506, 250.6528

■ 6.2146, 7.3252,
27.3220

■ 155.6597,
170.3390, 303.0222

■ 3.0179, 3.6663,
17.5806

192.3712,
209.9527, 362.2208

■ 1.1632, 1.4887,
10.4830

234.4437,

■ 0.0770, 0.2808,

255.2760, 428.6671

5.6106

282.2424,
306.6933, 502.7796

■ 0.0000, 0.0000,
2.5449

■ 0.0000, 0.0000,
0.8638

■ 39.7287, 44.4617,
101.0958

■ 39.7287, 44.4617,
101.0958

■ 35.5411, 39.1107,
100.2836

■ 44.9318, 50.5837,
102.0032

■ 32.2694, 34.4716,
99.5607

■ 51.2284, 57.5197,
103.0101

■ 29.7981, 30.4804,
98.9205

■ 58.6930, 65.3138,
104.1211

■ 28.7981, 28.7163,
98.6327

■ 67.3919, 74.0051,
105.3402

■ 77.3861, 83.6298,
106.6712

■ 88.7324, 94.2217,
108.1176

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.



33.6330, 44.4617, 86.9279



39.7287, 44.4617, 101.0958



47.2615, 44.4617, 98.3212

Triad

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



39.7287, 44.4617, 101.0958



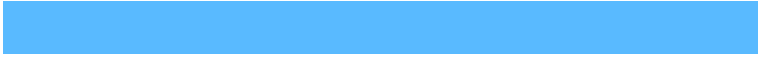
57.2590, 44.4617, 35.8853



32.2482, 44.4617, 26.3803

Complementary

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



39.7287, 44.4617, 101.0958



55.2715, 46.4373, 15.5033

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.



37.6235, 44.4617, 19.1137



39.7287, 44.4617, 101.0958



52.2477, 44.4617, 23.3779

Square

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



39.7287, 44.4617, 101.0958



57.9950, 44.4617, 56.1922



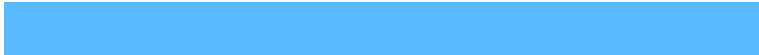
44.8956, 44.4617, 18.2060



29.6637, 44.4617, 41.3839

Rectangle

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



39.7287, 44.4617, 101.0958



52.0818, 44.4617, 87.4408



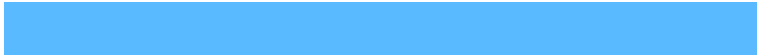
44.8956, 44.4617, 18.2060



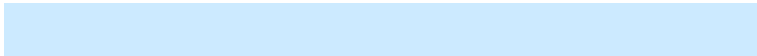
33.7570, 44.4617, 23.1653

Sweetspot

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



39.7301, 44.4632, 101.0960



72.3180, 78.7897, 106.0041



45.8312, 76.0245, 43.4478



14.8883, 16.2927, 22.6101



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.



39.7301, 44.4632, 101.0960



34.5006, 37.6919, 100.0646



27.2844, 19.5717, 96.9474



17.8850, 19.1416, 23.0020



15.1985, 15.3066, 51.5880



1.5877, 1.7061, 5.0589

Inverse Universe

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



53.6763, 31.9515, 49.7940



50.1365, 27.0890, 41.7790



73.7349, 83.3642, 21.6578



18.4546, 18.1652, 21.0110



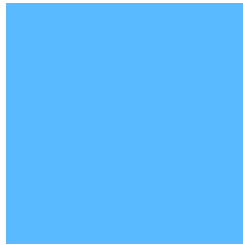
24.4597, 12.2732, 16.3371



2.4360, 1.2168, 1.8775

Previews

White Background



This preview shows how the XYZ color 39.7287, 44.4617, 101.0958 looks on a white background.

Color Contrast Check

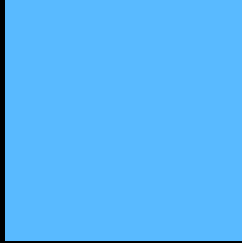
Large Text (above 18pt) WCAG AA × Fail

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 39.7287, 44.4617, 101.0958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

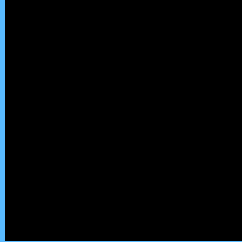
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

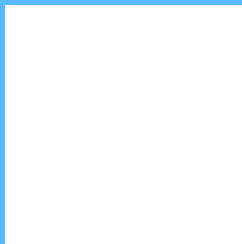
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7287, 44.4617, 101.0958

Background



This preview shows how black text looks on a background with the XYZ color 39.7287, 44.4617, 101.0958.

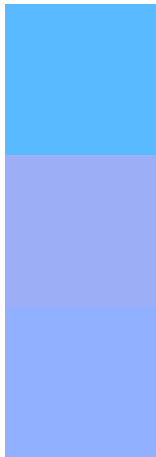


This preview shows how white text looks on a background with the XYZ color 39.7287, 44.4617,

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

39.7287, 44.4617, 101.0958

Protanopia

45.2882, 43.8945, 93.2743

Deuteranopia

45.2524, 44.2904, 100.7716



Tritanopia

33.0390, 44.3267, 67.7873

Trichromacy



Original Color

39.7287, 44.4617, 101.0958

Protanomaly

42.3794, 43.5056, 95.7863

Deuteranomaly

42.8287, 44.2225, 100.8862

Tritanomaly

35.1059, 44.1691, 78.6267

Monochromacy



Original Color

39.7287, 44.4617, 101.0958

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.4531, 39.2827, 59.1398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7287, 44.4617, 101.0958 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(89, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 186, 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(89, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.7287, 44.4617, 101.0958 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(89, 186, 255) }
```


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

```
.border{ border-color:rgb(89, 186, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 186, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7287, 44.4617, 101.0958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 186, 255) }
```

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

```
.background{ background-color: rgb(89, 186,  
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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