

Converting Colors

XYZ(48.1068, 48.3485,
145.1321)

Have a look what the booklet for
XYZ(48.1068, 48.3485, 145.1321)
contains.

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Color

**XYZ(39.8710, 45.1649,
101.2240)**

Conversions

Conversions Part 1

Format	Color
Hex	56BCFF
RGB	86, 188, 255
RGB Percent	34%, 74%, 100%
CMY	0.6627, 0.2627, 0.0000
CMYK	0.66, 0.26, 0.00, 0.00
HSL	204°, 100%, 67%
HSV	204°, 66%, 100%
XYZ	39.8710, 45.1649, 101.2240
YIQ	165.1400, -82.2990, -0.7870

Conversions

Conversions Part 2

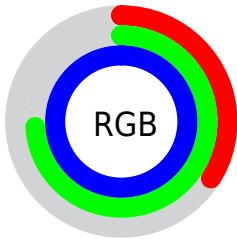
Format	Color
R _Y B	86, 150, 255
Decimal	5684479
CIE Lab	73.00, -9.33, -41.75
CIE LCh	73, 42.777, 257.401
Yxy	45.1649, 0.2141, 0.2425
Android (android.graphics.Color)	4283874559 (0xFF56BCFF)
YUV	165.1400, 44.3010, -69.4058
Hunter-Lab	67.2048, -11.7087, -42.2593

Details

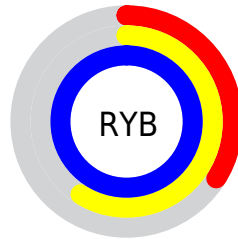
The XYZ color **39.8710, 45.1649, 101.2240** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **54.3126, 44.7171, 14.5749**, and the grayscale version is **35.6557, 37.5126, 40.8512**.

A 20% lighter version of the original color is **63.1632, 78.5007, 106.4308**, and **18.8570, 21.4052, 56.5638** is the 20% darker color. If you saturate the color by 10%, you get **35.8435, 39.9947, 100.4383**, and if you desaturate by 10%, it is **44.8897, 51.0722, 102.0997**.

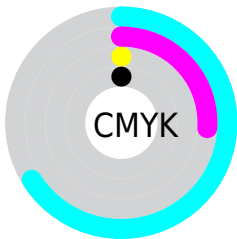
Distribution



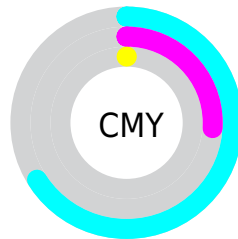
- Red (34%)
- Green (74%)
- Blue (100%)



- Red (34%)
- Yellow (59%)
- Blue (100%)



- Cyan (66%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8710, 45.1649, 101.2240 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 39.8710, 45.1649, 101.2240 by changing the saturation by 10% instead.

■ 39.8710, 45.1649,
101.2240

■ 39.8710, 45.1649,
101.2240

336.7233,
367.4410, 585.3900

■ 27.6217, 31.5873,
76.7006

■ 74.2526, 82.9678,
164.9047

■ 18.1797, 21.0465,
56.4971

■ 97.1157, 107.9619,
204.8991

■ 11.1796, 13.1580,
40.1949

■ 124.2474,
137.5304, 250.8876

■ 6.2559, 7.5374,
27.3756

■ 156.0132,
172.0575, 303.2887

■ 3.0434, 3.8004,
17.6206

192.7783,
211.9277, 362.5209

■ 1.1768, 1.5626,
10.5113

234.9081,

■ 0.0879, 0.3322,

257.5255, 429.0029

5.6293

282.7680,
309.2351, 503.1531

■ 0.0000, 0.0000,
2.5559

■ 0.0000, 0.0000,
0.8695

■ 39.8710, 45.1649,
101.2240

■ 39.8710, 45.1649,
101.2240

■ 35.8435, 39.9947,
100.4383

■ 44.8897, 51.0722,
102.0997

■ 32.7061, 35.5027,
99.7367

■ 50.9782, 57.7593,
103.0696

■ 30.3402, 31.6238,
99.1126

■ 58.2116, 65.2699,
104.1380

■ 29.5896, 30.2991,
98.8965

■ 66.6565, 73.6426,
105.3090

■ 76.3740, 82.9130,
106.5862

■ 87.4210, 93.1143,
107.9730

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.



33.9229, 45.1649, 86.0885



39.8710, 45.1649, 101.2240



47.3673, 45.1649, 99.7878

Triad

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



39.8710, 45.1649, 101.2240



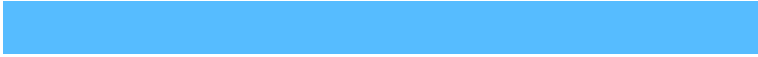
58.1411, 45.1649, 37.8744



33.2009, 45.1649, 26.2615

Complementary

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



39.8710, 45.1649, 101.2240



54.3126, 44.7171, 14.5749

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.



38.7749, 45.1649, 19.4457



39.8710, 45.1649, 101.2240



53.4001, 45.1649, 24.6902

Square

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



39.8710, 45.1649, 101.2240



58.5231, 45.1649, 58.7046



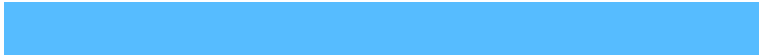
46.1371, 45.1649, 18.9692



30.3830, 45.1649, 40.7402

Rectangle

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



39.8710, 45.1649, 101.2240



52.2544, 45.1649, 89.6184



46.1371, 45.1649, 18.9692



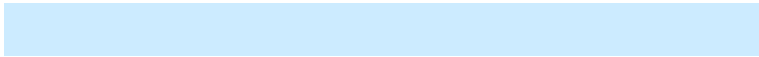
34.7829, 45.1649, 23.2063

Sweetspot

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



39.8724, 45.1664, 101.2242



72.5974, 79.3485, 106.0972



45.1675, 75.7265, 41.4248



14.9554, 16.4269, 22.6324



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.



39.8724, 45.1664, 101.2242



34.5749, 38.2432, 100.1671



27.0145, 19.4506, 96.9383



17.9152, 19.2019, 23.0121



15.6111, 16.1317, 51.7255



1.6267, 1.7842, 5.0719

Inverse Universe

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



53.6460, 31.5482, 50.8403



50.0757, 26.6884, 42.6190



72.7100, 81.5118, 20.7074



18.4698, 18.1712, 21.0912



24.6679, 12.3565, 17.4337



2.4557, 1.2247, 1.9812

Previews

White Background



This preview shows how the XYZ color 39.8710, 45.1649, 101.2240 looks on a white background.

Color Contrast Check

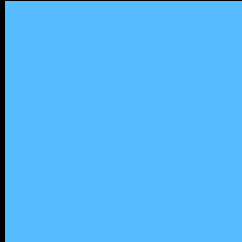
Large Text (above 18pt) WCAG AA × Fail

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 39.8710, 45.1649, 101.2240 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

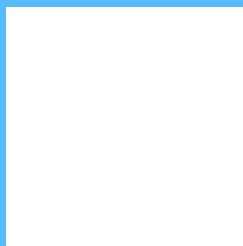
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8710, 45.1649, 101.2240

Background



This preview shows how black text looks on a background with the XYZ color 39.8710, 45.1649, 101.2240.



This preview shows how white text looks on a background with the XYZ color 39.8710, 45.1649,

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

39.8710, 45.1649, 101.2240

Protanopia

45.9114, 44.8113, 92.6159

Deuteranopia

45.9849, 44.9602, 100.8623



Tritanopia

33.5481, 45.2254, 69.2486

Trichromacy



Original Color

39.8710, 45.1649, 101.2240

Protanomaly

42.7802, 44.3074, 95.9199

Deuteranomaly

43.0313, 44.6277, 100.9538

Tritanomaly

35.5993, 45.0435, 80.2168

Monochromacy



Original Color

39.8710, 45.1649, 101.2240

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.2900, 39.1986, 59.1322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8710, 45.1649, 101.2240 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(86, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 188, 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(86, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.8710, 45.1649, 101.2240 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(86, 188, 255) }
```


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

```
.border{ border-color:rgb(86, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8710, 45.1649, 101.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 188, 255) }
```

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

```
.background{ background-color: rgb(86, 188,  
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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