

Converting Colors

XYZ(39.4868, 45.6821, 81.1688)

Have a look what the booklet for
XYZ(39.4868, 45.6821, 81.1688)
contains.

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Color

**XYZ(39.4107, 45.6972,
80.8720)**

Conversions

Conversions Part 1

Format	Color
Hex	73BDE5
RGB	115, 189, 229
RGB Percent	45%, 74%, 90%
CMY	0.5490, 0.2588, 0.1020
CMYK	0.50, 0.17, 0.00, 0.10
HSL	201°, 69%, 67%
HSV	201°, 50%, 90%
XYZ	39.4107, 45.6972, 80.8720
YIQ	171.4340, -56.9440, -3.2480

Conversions

Conversions Part 2

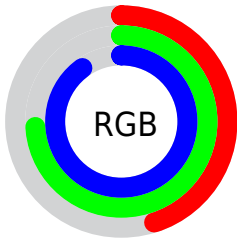
Format	Color
RYB	115, 160, 229
Decimal	7585253
CIELab	73.35, -12.28, -27.07
CIELCh	73, 29.729, 245.606
Yxy	45.6972, 0.2374, 0.2753
Android (android.graphics.Color)	4285775333 (0xFF73BDE5)
YUV	171.4340, 28.3800, -49.4926
Hunter-Lab	67.5997, -14.2338, -23.6110

Details

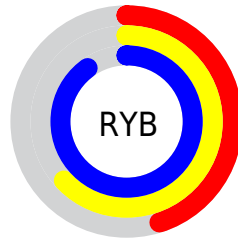
The XYZ color **39.4107, 45.6972, 80.8720** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.1302, 41.3399, 21.7166**, and the grayscale version is **38.8104, 40.8316, 44.4656**.

A 20% lighter version of the original color is **67.9360, 81.4091, 106.7407**, and **17.9225, 21.4377, 42.7284** is the 20% darker color. If you saturate the color by 10%, you get **35.0845, 40.9727, 80.1889**, and if you desaturate by 10%, it is **44.5835, 51.0022, 81.6242**.

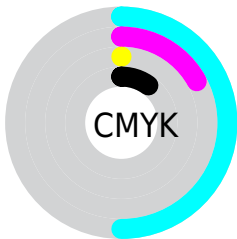
Distribution



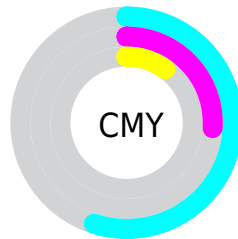
- Red (45%)
- Green (74%)
- Blue (90%)



- Red (45%)
- Yellow (63%)
- Blue (90%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (55%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4107, 45.6972, 80.8720 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 39.4107, 45.6972, 80.8720 by changing the saturation by 10% instead.

■ 39.4107, 45.6972,
80.8720

■ 39.4107, 45.6972,
80.8720

334.8106,
369.5900, 517.6508

■ 27.2615, 32.0069,
59.9058

■ 73.5554, 83.7656,
136.4135

■ 17.9073, 21.3668,
42.9179

■ 96.2816, 108.9126,
171.8258

■ 10.9828, 13.3924,
29.4898

■ 123.2642,
138.6473, 212.8907

■ 6.1225, 7.6993,
19.2029

154.8686,
173.3541, 260.0265

■ 2.9611, 3.9031,
11.6387

191.4600,
213.4173, 313.6519

■ 1.1332, 1.6195,
6.3786

233.4040,

■ 0.0526, 0.3707,

259.2215, 374.1854

3.0042

281.0657,
311.1509, 442.0455

■ 0.0000, 0.0000,
1.0968

■ 0.0000, 0.0000,
0.0000

■ 39.4107, 45.6972,
80.8720

■ 39.4107, 45.6972,
80.8720

■ 35.0845, 40.9727,
80.1889

■ 44.5835, 51.0022,
81.6242

■ 31.5426, 36.7914,
79.5685

■ 50.6506, 56.9117,
82.4451

■ 28.7202, 33.1186,
79.0084

■ 57.6612, 63.4542,
83.3384

■ 26.5395, 29.9118,
78.5043

■ 65.6594, 70.6544,
84.3066

■ 24.8696, 27.1009,
78.0498

■ 74.6864, 78.5359,
85.3521

■ 24.8353, 27.0418,
78.0402

■ 84.7811, 87.1205,
86.4771

■ 88.1106, 92.3724,
87.3153

■ 90.5978, 97.3468,
88.1444

■ 91.1430, 98.4372,
88.3261

Harmonies

Analogous

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



35.7585, 45.6972, 68.4826



39.4107, 45.6972, 80.8720



44.4238, 45.6972, 84.2834

Triad

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



39.4107, 45.6972, 80.8720



54.2327, 45.6972, 46.9952



37.8370, 45.6972, 29.8185

Complementary

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



39.4107, 45.6972, 80.8720



47.1302, 41.3399, 21.7166

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.



42.4586, 45.6972, 26.2416



39.4107, 45.6972, 80.8720



52.1356, 45.6972, 34.7990

Square

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



39.4107, 45.6972, 80.8720



53.2533, 45.6972, 62.6271



47.7218, 45.6972, 27.8626



34.9024, 45.6972, 38.7824

Rectangle

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



39.4107, 45.6972, 80.8720



47.9275, 45.6972, 80.5165



47.7218, 45.6972, 27.8626



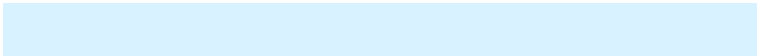
39.2302, 45.6972, 28.0379

Sweetspot

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



39.4122, 45.6989, 80.8731



78.2180, 85.1874, 106.9280



40.9989, 62.0478, 40.7836



16.2866, 17.8219, 22.8315



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.



39.4122, 45.6989, 80.8731



44.4900, 51.9657, 102.2933



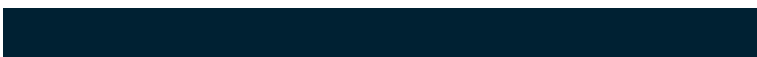
29.4794, 25.8333, 77.5622



14.3596, 15.4406, 18.3678



14.3165, 15.6951, 44.6581



1.1443, 1.3326, 3.3289

Inverse Universe

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



47.6304, 32.5951, 51.9269



56.5713, 34.9947, 59.2267



58.9272, 64.9340, 25.6490



14.7691, 14.5248, 16.9844



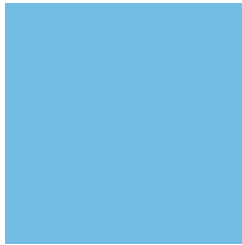
21.6198, 10.7821, 17.4248



1.6412, 0.8142, 1.5173

Previews

White Background



This preview shows how the XYZ color 39.4107, 45.6972, 80.8720 looks on a white background.

Color Contrast Check

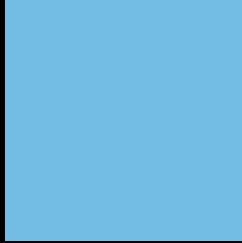
Large Text (above 18pt) WCAG AA × Fail

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 39.4107, 45.6972, 80.8720 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 39.4107, 45.6972, 80.8720

Background



This preview shows how black text looks on a background with the XYZ color 39.4107, 45.6972, 80.8720.



This preview shows how white text looks on a background with the XYZ color 39.4107, 45.6972,

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

39.4107, 45.6972, 80.8720

Protanopia

45.1355, 45.0998, 74.7328

Deuteranopia

46.4530, 45.3119, 82.6417



Tritanopia

36.6395, 45.8821, 66.5995

Trichromacy



Original Color

39.4107, 45.6972, 80.8720

Protanomaly

42.3728, 44.8191, 76.9387

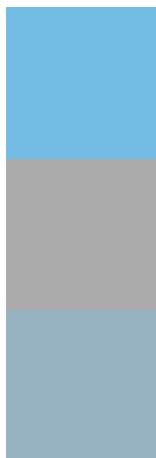
Deuteranomaly

43.3421, 45.2068, 82.0427

Tritanomaly

37.7999, 46.0366, 71.8594

Monochromacy



Original Color

39.4107, 45.6972, 80.8720

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.1973, 42.2259, 56.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4107, 45.6972, 80.8720 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(115, 189, 229)` looks like.

```
.text, #text, p{  
    color:rgb(115, 189, 229)  
}
```

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(115, 189, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 189, 229) }
```

Border

The CSS property to change the border of an element to XYZ 39.4107, 45.6972, 80.8720 is called "border". The border property can be set on classes, ids or directly on the HTML element.

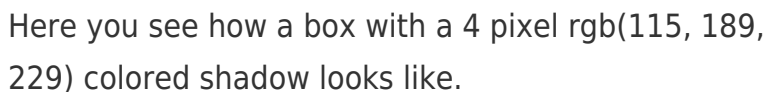
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 189, 229) }
```


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

```
.border{ border-color:rgb(115, 189, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 189, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 189, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 189, 229); box-shadow:4px 4px 4px 4px rgb(115, 189, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4107, 45.6972, 80.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 189, 229) }
```

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

```
.background{ background-color: rgb(115,  
189, 229) }
```

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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