

Converting Colors

XYZ(38.8475, 41.6286, 87.4350)

Have a look what the booklet for
XYZ(38.8475, 41.6286, 87.4350)
contains.

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Color

**XYZ(38.9099, 41.5982,
87.6398)**

Conversions

Conversions Part 1

Format	Color
Hex	77B1EF
RGB	119, 177, 239
RGB Percent	47%, 69%, 94%
CMY	0.5333, 0.3059, 0.0627
CMYK	0.50, 0.26, 0.00, 0.06
HSL	211°, 79%, 70%
HSV	211°, 50%, 94%
XYZ	38.9099, 41.5982, 87.6398
YIQ	166.7260, -54.4700, 6.9860

Conversions

Conversions Part 2

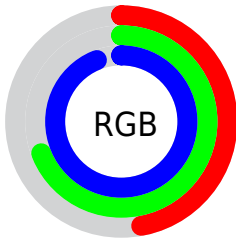
Format	Color
RYB	119, 158, 239
Decimal	7844335
CIELab	70.59, -1.99, -36.74
CIELCh	71, 36.797, 266.905
Yxy	41.5982, 0.2314, 0.2474
Android (android.graphics.Color)	4286034415 (0xFF77B1EF)
YUV	166.7260, 35.6311, -41.8557
Hunter-Lab	64.4967, -5.1827, -35.4172

Details

The XYZ color **38.9099, 41.5982, 87.6398** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.4518, 52.7324, 24.7104**, and the grayscale version is **36.4500, 38.3482, 41.7612**.

A 20% lighter version of the original color is **65.0381, 74.2803, 105.5174**, and **17.6845, 19.0159, 47.5381** is the 20% darker color. If you saturate the color by 10%, you get **33.7033, 35.4562, 86.7295**, and if you desaturate by 10%, it is **45.1648, 48.6098, 88.6643**.

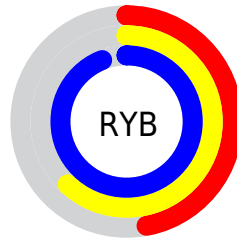
Distribution



Red (47%)

Green (69%)

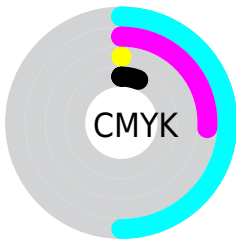
Blue (94%)



Red (47%)

Yellow (62%)

Blue (94%)

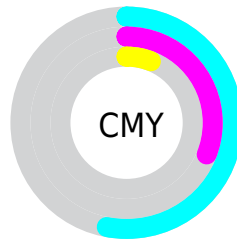


Cyan (50%)

Magenta (26%)

Yellow (0%)

Black (6%)



Cyan (53%)

Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9099, 41.5982, 87.6398 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 38.9099, 41.5982, 87.6398 by changing the saturation by 10% instead.

■ 38.9099, 41.5982,
87.6398

■ 38.9099, 41.5982,
87.6398

332.7210,
352.8146, 540.6936

■ 26.8701, 28.7868,
65.4622

■ 72.7956, 77.5912,
145.9623

■ 17.6117, 18.9196,
47.3822

■ 95.3722, 101.5415,
182.9442

■ 10.7696, 11.6122,
32.9814

■ 122.1917,
129.9736, 225.6980

■ 5.9783, 6.4802,
21.8412

153.6195,
163.2719, 274.6422

■ 2.8724, 3.1392,
13.5431

190.0210,
201.8208, 330.1953

■ 1.0866, 1.2048,
7.6684

231.7615,

■ 0.0139, 0.0656,

246.0046, 392.7759

3.7988

279.2064,
296.2077, 462.8025

■ 0.0000, 0.0000,
1.5156

■ 0.0000, 0.0000,
0.2295

■ 38.9099, 41.5982,
87.6398

■ 38.9099, 41.5982,
87.6398

■ 33.7033, 35.4562,
86.7295

■ 45.1648, 48.6098,
88.6643

■ 29.4717, 30.1352,
85.9255

■ 52.5257, 56.5267,
89.8045

■ 26.1383, 25.5873,
85.2233

■ 61.0510, 65.3879,
91.0655

■ 23.6110, 21.7554,
84.6169

■ 70.7934, 75.2284,
92.4514

■ 21.7698, 18.6114,
84.1071

■ 81.8023, 86.0810,
93.9660

■ 91.3467, 96.5452,
95.4827

■ 92.5801, 99.0121,
95.8938

Harmonies

Analogous

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



33.4903, 41.5982, 79.5423



38.9099, 41.5982, 87.6398



45.0690, 41.5982, 82.2031

Triad

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



38.9099, 41.5982, 87.6398



50.9094, 41.5982, 31.7659



30.5280, 41.5982, 29.3576

Complementary

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



38.9099, 41.5982, 87.6398



55.4518, 52.7324, 24.7104

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.



34.4788, 41.5982, 21.5116



38.9099, 41.5982, 87.6398



46.2728, 41.5982, 22.6310

Square

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



38.9099, 41.5982, 87.6398



52.4017, 41.5982, 47.1255



40.1725, 41.5982, 19.4072



28.9729, 41.5982, 43.5093

Rectangle

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



38.9099, 41.5982, 87.6398



48.7064, 41.5982, 72.2430



40.1725, 41.5982, 19.4072



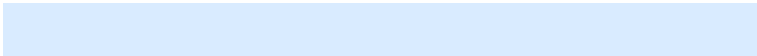
31.5988, 41.5982, 26.0494

Sweetspot

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



38.9113, 41.5997, 87.6408



76.3673, 81.4860, 106.3111



46.8162, 68.9923, 54.5672



15.8407, 16.9299, 22.6829



0.0000, 0.0000, 0.0000



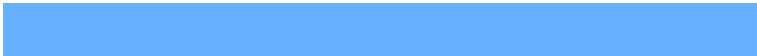
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9113, 41.5997, 87.6408



39.0448, 41.0754, 100.4782



30.0636, 23.4925, 84.6121



15.5278, 16.4897, 20.0860



12.1605, 10.5453, 46.5224



1.1108, 1.0756, 3.9033

Inverse Universe

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



50.1305, 34.7204, 45.6559



53.8228, 33.8953, 44.7534



69.1223, 81.0703, 29.4596



16.0911, 15.8861, 18.0359



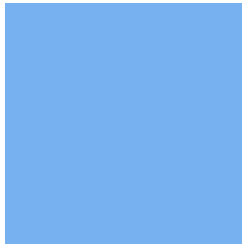
21.4637, 10.8579, 10.3583



1.8356, 0.9233, 1.1253

Previews

White Background



This preview shows how the XYZ color 38.9099, 41.5982, 87.6398 looks on a white background.

Color Contrast Check

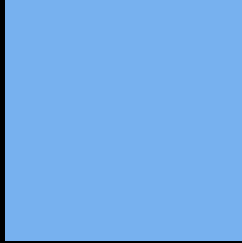
Large Text (above 18pt) WCAG AA × Fail

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 38.9099, 41.5982, 87.6398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

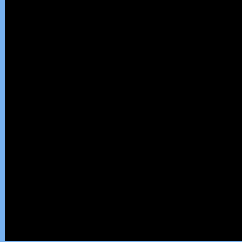
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

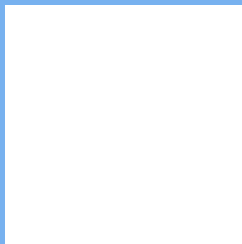
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9099, 41.5982, 87.6398

Background



This preview shows how black text looks on a background with the XYZ color 38.9099, 41.5982, 87.6398.



This preview shows how white text looks on a background with the XYZ color 38.9099, 41.5982,

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

38.9099, 41.5982, 87.6398

Protanopia

42.4091, 41.5027, 82.8664

Deuteranopia

42.4647, 41.3962, 88.9712



Tritanopia

33.3932, 41.4687, 60.2771

Trichromacy



Original Color

38.9099, 41.5982, 87.6398

Protanomaly

40.9235, 41.5480, 84.4599

Deuteranomaly

40.9883, 41.4968, 88.2874

Tritanomaly

35.2170, 41.2823, 69.7305

Monochromacy



Original Color

38.9099, 41.5982, 87.6398

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7662, 39.4601, 56.1309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9099, 41.5982, 87.6398 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(119, 177, 239)` looks like.

```
.text, #text, p{  
    color:rgb(119, 177, 239)  
}
```

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(119, 177, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 177, 239) }
```

Border

The CSS property to change the border of an element to XYZ 38.9099, 41.5982, 87.6398 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(119, 177, 239) }
```


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

```
.border{ border-color:rgb(119, 177, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 177, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 177, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 177, 239);  
box-shadow:4px 4px 4px 4px rgb(119, 177,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9099, 41.5982, 87.6398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 177, 239) }
```

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

```
.background{ background-color: rgb(119,  
177, 239) }
```

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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