

Converting Colors

XYZ(38.7712, 41.1717, 91.1775)

Have a look what the booklet for
XYZ(38.7712, 41.1717, 91.1775)
contains.

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Color

**XYZ(38.7939, 41.1597,
91.4879)**

Conversions

Conversions Part 1

Format	Color
Hex	72B0F4
RGB	114, 176, 244
RGB Percent	45%, 69%, 96%
CMY	0.5529, 0.3098, 0.0431
CMYK	0.53, 0.28, 0.00, 0.04
HSL	211°, 86%, 70%
HSV	211°, 53%, 96%
XYZ	38.7939, 41.1597, 91.4879
YIQ	165.2140, -58.7800, 8.0040

Conversions

Conversions Part 2

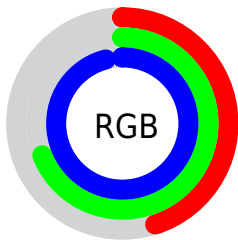
Format	Color
RYB	114, 156, 244
Decimal	7516404
CIELab	70.29, -1.04, -39.95
CIElCh	70, 39.967, 268.509
Yxy	41.1597, 0.2263, 0.2401
Android (android.graphics.Color)	4285706484 (0xFF72B0F4)
YUV	165.2140, 38.8415, -44.9147
Hunter-Lab	64.1558, -4.3369, -39.6400

Details

The XYZ color **38.7939, 41.1597, 91.4879** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.0752, 53.9062, 23.3183**, and the grayscale version is **35.7079, 37.5675, 40.9110**.

A 20% lighter version of the original color is **63.8595, 73.2561, 105.3818**, and **17.5425, 18.7070, 49.6999** is the 20% darker color. If you saturate the color by 10%, you get **33.6472, 34.9650, 90.5643**, and if you desaturate by 10%, it is **45.0252, 48.2643, 92.5316**.

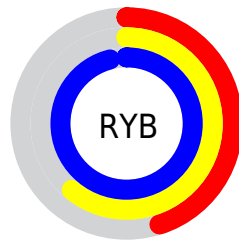
Distribution



Red (45%)

Green (69%)

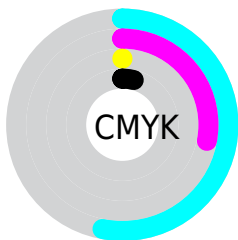
Blue (96%)



Red (45%)

Yellow (61%)

Blue (96%)

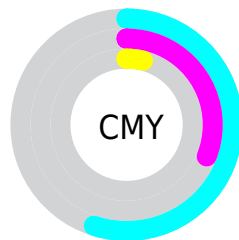


Cyan (53%)

Magenta (28%)

Yellow (0%)

Black (4%)



Cyan (55%)

Magenta (31%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7939, 41.1597, 91.4879 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 38.7939, 41.1597, 91.4879 by changing the saturation by 10% instead.

■ 38.7939, 41.1597,
91.4879

■ 38.7939, 41.1597,
91.4879

332.2357,
350.9876, 553.5536

■ 26.7794, 28.4439,
68.6347

■ 72.6194, 76.9263,
151.3570

■ 17.5434, 18.6605,
49.9444

■ 95.1612, 100.7458,
189.2099

■ 10.7203, 11.4253,
34.9983

■ 121.9429,
129.0354, 232.8999

■ 5.9450, 6.3536,
23.3780

153.3297,
162.1794, 282.8454

■ 2.8520, 3.0613,
14.6650

189.6870,
200.5622, 339.4650

■ 1.0760, 1.1638,
8.4406

231.3802,

■ 0.0049, 0.0318,

244.5683, 403.1772

4.2864

278.7747,
294.5820, 474.4006

■ 0.0000, 0.0000,
1.7837

■ 0.0000, 0.0000,
0.4172

■ 38.7939, 41.1597,
91.4879

■ 38.7939, 41.1597,
91.4879

■ 33.6472, 34.9650,
90.5643

■ 45.0252, 48.2643,
92.5316

■ 29.5053, 29.6274,
89.7523

■ 52.4042, 56.3183,
93.6973

■ 26.2833, 25.0937,
89.0470

■ 60.9941, 65.3640,
94.9905

■ 23.8771, 21.2998,
88.4415

■ 70.8518, 75.4392,
96.4157

■ 22.6171, 19.1073,
88.0848

■ 82.0306, 86.5796,
97.9768

■ 92.5630, 97.7791,
99.5834

■ 93.3293, 99.3117,
99.8388

Harmonies

Analogous

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



32.8960, 41.1597, 83.2103



38.7939, 41.1597, 91.4879



45.4547, 41.1597, 84.6378

Triad

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



38.7939, 41.1597, 91.4879



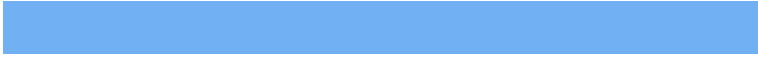
51.2830, 41.1597, 29.6922



29.3220, 41.1597, 28.4725

Complementary

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



38.7939, 41.1597, 91.4879



57.0752, 53.9062, 23.3183

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.



33.4049, 41.1597, 19.9797



38.7939, 41.1597, 91.4879



46.0857, 41.1597, 20.5330

Square

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



38.7939, 41.1597, 91.4879



53.1314, 41.1597, 45.7621



39.4501, 41.1597, 17.5376



27.8194, 41.1597, 43.8829

Rectangle

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



38.7939, 41.1597, 91.4879



49.3490, 41.1597, 73.2564



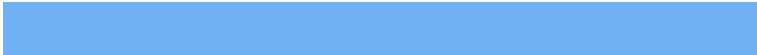
39.4501, 41.1597, 17.5376



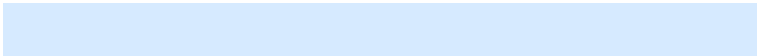
30.4140, 41.1597, 24.8932

Sweetspot

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



38.7954, 41.1612, 91.4889



75.1655, 80.1974, 106.1257



47.6492, 71.6230, 55.1210



15.5997, 16.6676, 22.6449



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.



38.7954, 41.1612, 91.4889



36.7495, 38.0967, 100.0242



29.5728, 22.2927, 88.3330



16.2331, 17.2305, 21.0128



12.4328, 10.6593, 47.9402



1.1949, 1.1413, 4.2475

Inverse Universe

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



51.1633, 34.4040, 45.0196



52.2708, 31.7681, 41.2249



71.9497, 84.7650, 28.4906



16.8282, 16.6141, 18.8421



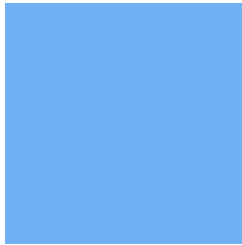
22.0800, 11.1754, 10.3956



1.9922, 1.0028, 1.1854

Previews

White Background



This preview shows how the XYZ color 38.7939, 41.1597, 91.4879 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 38.7939, 41.1597, 91.4879 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

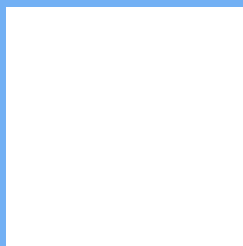
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7939, 41.1597, 91.4879

Background



This preview shows how black text looks on a background with the XYZ color 38.7939, 41.1597, 91.4879.



This preview shows how white text looks on a background with the XYZ color 38.7939, 41.1597,

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

38.7939, 41.1597, 91.4879

Protanopia

42.1983, 41.0330, 86.5850

Deuteranopia

42.0115, 41.0928, 92.1037



Tritanopia

32.4863, 41.0012, 60.2346

Trichromacy



Original Color

38.7939, 41.1597, 91.4879

Protanomaly

40.7972, 41.1147, 88.2238

Deuteranomaly

40.7497, 41.0032, 92.1529

Tritanomaly

34.4985, 40.8971, 70.3656

Monochromacy



Original Color

38.7939, 41.1597, 91.4879

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7796, 38.3820, 56.5616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7939, 41.1597, 91.4879 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(114, 176, 244)` looks like.

```
.text, #text, p{  
    color:rgb(114, 176, 244)  
}
```

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(114, 176, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 176, 244) }
```

Border

The CSS property to change the border of an element to XYZ 38.7939, 41.1597, 91.4879 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(114, 176, 244) }
```


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

```
.border{ border-color:rgb(114, 176, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 176, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 176, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 176, 244);  
box-shadow:4px 4px 4px 4px rgb(114, 176,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7939, 41.1597, 91.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 176, 244) }
```

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

```
.background{ background-color: rgb(114,  
176, 244) }
```

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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