

Converting Colors

XYZ(39.0452, 42.2361, 82.0380)

Have a look what the booklet for
XYZ(39.0452, 42.2361, 82.0380)
contains.

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Color

**XYZ(39.1481, 42.4453,
81.7308)**

Conversions

Conversions Part 1

Format	Color
Hex	7EB3E7
RGB	126, 179, 231
RGB Percent	49%, 70%, 91%
CMY	0.5059, 0.2980, 0.0941
CMYK	0.45, 0.23, 0.00, 0.09
HSL	210°, 69%, 70%
HSV	210°, 45%, 91%
XYZ	39.1481, 42.4453, 81.7308
YIQ	169.0810, -48.2800, 4.9360

Conversions

Conversions Part 2

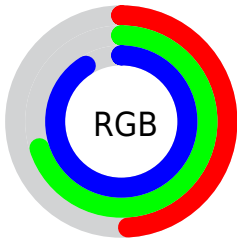
Format	Color
R _Y B	126, 161, 231
Decimal	8303591
CIE Lab	71.18, -3.75, -31.46
CIE LCh	71, 31.680, 263.207
Yxy	42.4453, 0.2397, 0.2599
Android (android.graphics.Color)	4286493671 (0xFF7EB3E7)
YUV	169.0810, 30.5261, -37.7820
Hunter-Lab	65.1501, -6.7535, -28.7743

Details

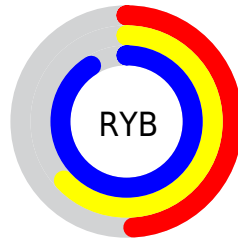
The XYZ color **39.1481, 42.4453, 81.7308** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.6426, 50.3377, 26.6819**, and the grayscale version is **37.6242, 39.5836, 43.1066**.

A 20% lighter version of the original color is **67.2868, 76.7039, 105.8667**, and **17.6530, 19.2821, 43.3488** is the 20% darker color. If you saturate the color by 10%, you get **33.9286, 36.4916, 80.8575**, and if you desaturate by 10%, it is **45.3471, 49.1881, 82.7064**.

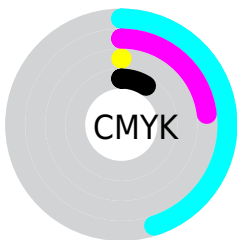
Distribution



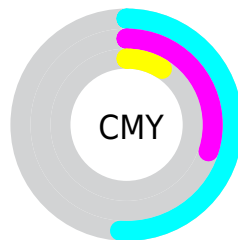
- Red (49%)
- Green (70%)
- Blue (91%)



- Red (49%)
- Yellow (63%)
- Blue (91%)



- Cyan (45%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1481, 42.4453, 81.7308 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 39.1481, 42.4453, 81.7308 by changing the saturation by 10% instead.

■ 39.1481, 42.4453,
81.7308

■ 39.1481, 42.4453,
81.7308

333.7161,
356.3256, 520.6066

■ 27.0562, 29.4501,
60.6091

■ 73.1571, 78.8731,
137.6297

■ 17.7522, 19.4216,
43.4813

■ 95.8050, 103.0746,
173.2441

■ 10.8709, 11.9753,
29.9287

■ 122.7022,
131.7802, 214.5264

■ 6.0467, 6.7269,
19.5329

154.2141,
165.3745, 261.8952

■ 2.9144, 3.2919,
11.8753

190.7061,
204.2418, 315.7691

■ 1.1087, 1.2859,
6.5373

232.5435,

■ 0.0324, 0.1303,

248.7664, 376.5666

3.1004

280.0917,
299.3329, 444.7063

■ 0.0000, 0.0000,
1.1461

■ 0.0000, 0.0000,
0.0000

■ 39.1481, 42.4453,
81.7308

■ 39.1481, 42.4453,
81.7308

■ 33.9286, 36.4916,
80.8575

■ 45.3471, 49.1881,
82.7064

■ 29.6248, 31.2847,
80.0793

■ 52.5754, 56.7496,
83.7849

■ 26.1715, 26.7847,
79.3927

■ 60.8842, 65.1636,
84.9710

■ 23.4914, 22.9445,
78.7927

■ 70.3200, 74.4601,
86.2681

■ 21.4908, 19.7079,
78.2735

■ 80.9264, 84.6675,
87.6793

■ 20.7388, 18.3992,
78.0605

■ 89.1218, 93.9453,
89.0382

■ 91.4240, 98.5496,
89.8056

Harmonies

Analogous

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



34.5351, 42.4453, 73.7902



39.1481, 42.4453, 81.7308



44.4990, 42.4453, 78.6133

Triad

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



39.1481, 42.4453, 81.7308



50.4667, 42.4453, 35.6300



32.7109, 42.4453, 30.8298

Complementary

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



39.1481, 42.4453, 81.7308



52.6426, 50.3377, 26.6819

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.



36.4541, 42.4453, 24.2242



39.1481, 42.4453, 81.7308



46.7681, 42.4453, 26.5413

Square

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



39.1481, 42.4453, 81.7308



51.3472, 42.4453, 49.7590



41.5619, 42.4453, 22.8473



31.0353, 42.4453, 42.8448

Rectangle

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



39.1481, 42.4453, 81.7308



47.7400, 42.4453, 70.9558



41.5619, 42.4453, 22.8473



33.7525, 42.4453, 28.0203

Sweetspot

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



39.1495, 42.4469, 81.7318



77.7307, 83.0804, 106.5470



45.0924, 64.7529, 51.5880



16.1205, 17.2669, 22.7331



0.0000, 0.0000, 0.0000



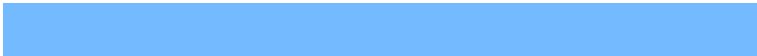
20.3446, 21.4041, 23.3091

Same Dimension

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



39.1495, 42.4469, 81.7318



42.5501, 45.7733, 101.2002



30.7161, 25.5800, 78.9207



14.1811, 15.0835, 18.3083



11.7508, 10.5636, 43.8028



0.9613, 0.9665, 3.2678

Inverse Universe

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



48.5538, 35.1669, 46.8781



56.1566, 36.9903, 50.3799



64.8104, 74.6733, 30.7378



14.6790, 14.4888, 16.5099



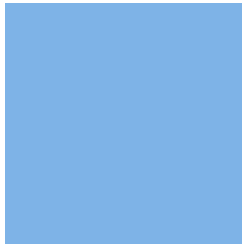
20.3247, 10.2641, 10.6050



1.5488, 0.7772, 1.0307

Previews

White Background



This preview shows how the XYZ color 39.1481, 42.4453, 81.7308 looks on a white background.

Color Contrast Check

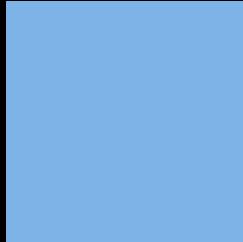
Large Text (above 18pt) WCAG AA × Fail

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 39.1481, 42.4453, 81.7308 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

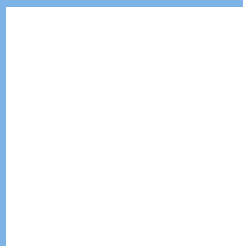
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.1481, 42.4453, 81.7308

Background



This preview shows how black text looks on a background with the XYZ color 39.1481, 42.4453, 81.7308.



This preview shows how white text looks on a background with the XYZ color 39.1481, 42.4453,

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

39.1481, 42.4453, 81.7308

Protanopia

42.7781, 42.3670, 77.8745

Deuteranopia

43.3714, 42.2781, 82.9654



Tritanopia

35.1104, 42.6500, 61.0253

Trichromacy



Original Color

39.1481, 42.4453, 81.7308

Protanomaly

41.3662, 42.4644, 79.4150

Deuteranomaly

41.5556, 42.2093, 82.3009

Tritanomaly

36.4371, 42.5632, 67.9231

Monochromacy



Original Color

39.1481, 42.4453, 81.7308

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5949, 40.4652, 55.6983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1481, 42.4453, 81.7308 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(126, 179, 231)` looks like.

```
.text, #text, p{  
    color:rgb(126, 179, 231)  
}
```

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(126, 179, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 179, 231) }
```

Border

The CSS property to change the border of an element to XYZ 39.1481, 42.4453, 81.7308 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(126, 179, 231) }
```


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

```
.border{ border-color:rgb(126, 179, 231) }
```

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

Here you see how a box with a 4 pixel rgb(126, 179, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 179, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 179, 231);  
box-shadow:4px 4px 4px 4px rgb(126, 179,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1481, 42.4453, 81.7308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 179, 231) }
```

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

```
.background{ background-color: rgb(126,  
179, 231) }
```

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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