

Converting Colors

XYZ(39.0397, 42.1916, 83.9281)

Have a look what the booklet for
XYZ(39.0397, 42.1916, 83.9281)
contains.

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Color

**XYZ(39.1398, 42.3917,
83.9614)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB3EA
RGB	123, 179, 234
RGB Percent	48%, 70%, 92%
CMY	0.5176, 0.2980, 0.0823
CMYK	0.47, 0.24, 0.00, 0.08
HSL	210°, 73%, 70%
HSV	210°, 47%, 92%
XYZ	39.1398, 42.3917, 83.9614
YIQ	168.5260, -51.0310, 5.2330

Conversions

Conversions Part 2

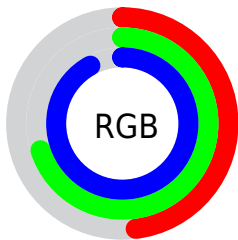
Format	Color
R _Y B	123, 160, 234
Decimal	8106986
CIE Lab	71.14, -3.62, -33.16
CIE LCh	71, 33.356, 263.778
Yxy	42.3917, 0.2365, 0.2562
Android (android.graphics.Color)	4286297066 (0xFF7BB3EA)
YUV	168.5260, 32.2787, -39.9263
Hunter-Lab	65.1089, -6.6365, -30.8814

Details

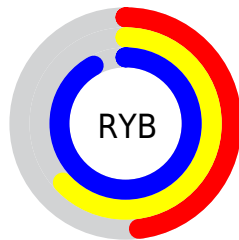
The XYZ color **39.1398, 42.3917, 83.9614** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.4286, 50.7649, 25.7232**, and the grayscale version is **37.3434, 39.2882, 42.7849**.

A 20% lighter version of the original color is **66.5807, 76.3400, 105.8337**, and **17.6767, 19.2599, 44.9053** is the 20% darker color. If you saturate the color by 10%, you get **33.9570, 36.4147, 83.0817**, and if you desaturate by 10%, it is **45.3208, 49.1751, 84.9457**.

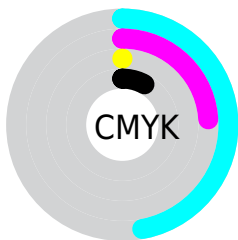
Distribution



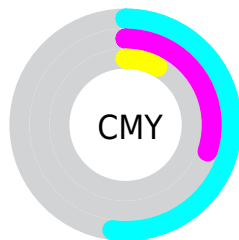
- Red (48%)
- Green (70%)
- Blue (92%)



- Red (48%)
- Yellow (63%)
- Blue (92%)



- Cyan (47%)
- Magenta (24%)
- Yellow (0%)
- Black (8%)



- Cyan (52%)
- Magenta (30%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1398, 42.3917, 83.9614 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 39.1398, 42.3917, 83.9614 by changing the saturation by 10% instead.

■ 39.1398, 42.3917,
83.9614

■ 39.1398, 42.3917,
83.9614

333.6814,
356.1041, 528.2397

■ 27.0497, 29.4081,
62.4384

■ 73.1445, 78.7921,
140.7824

■ 17.7473, 19.3898,
44.9489

■ 95.7899, 102.9777,
176.9175

■ 10.8673, 11.9523,
31.0745

■ 122.6844,
131.6661, 218.7603

■ 6.0443, 6.7112,
20.3967

154.1934,
165.2418, 266.7294

■ 2.9130, 3.2821,
12.4968

190.6822,
204.0890, 321.2434

■ 1.1079, 1.2807,
6.9563

232.5163,

■ 0.0317, 0.1262,

248.5922, 382.7208

3.3568

280.0609,
299.1358, 451.5800

■ 0.0000, 0.0000,
1.2796

■ 0.0000, 0.0000,
0.0450

■ 39.1398, 42.3917,
83.9614

■ 39.1398, 42.3917,
83.9614

■ 33.9570, 36.4147,
83.0817

■ 45.3208, 49.1751,
84.9457

■ 29.7054, 31.1999,
82.2992

■ 52.5526, 56.7963,
86.0356

■ 26.3158, 26.7050,
81.6103

■ 60.8889, 65.2904,
87.2358

■ 23.7058, 22.8800,
81.0095

■ 70.3781, 74.6890,
88.5497

■ 21.7675, 19.6612,
80.4904

■ 81.0659, 85.0215,
89.9808

■ 21.3362, 18.9102,
80.3682

■ 89.8347, 94.6871,
91.3843

■ 91.8514, 98.7206,
92.0566

Harmonies

Analogous

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



34.2758, 42.3917, 75.6666



39.1398, 42.3917, 83.9614



44.7771, 42.3917, 80.3942

Triad

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



39.1398, 42.3917, 83.9614



50.9355, 42.3917, 34.8382



32.2376, 42.3917, 30.2698

Complementary

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



39.1398, 42.3917, 83.9614



53.4286, 50.7649, 25.7232

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.



36.1170, 42.3917, 23.3525



39.1398, 42.3917, 83.9614



46.9740, 42.3917, 25.5326

Square

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



39.1398, 42.3917, 83.9614



51.9334, 42.3917, 49.5701



41.4667, 42.3917, 21.8442



30.5350, 42.3917, 42.9050

Rectangle

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



39.1398, 42.3917, 83.9614



48.1847, 42.3917, 72.1033



41.4667, 42.3917, 21.8442



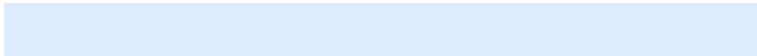
33.3120, 42.3917, 27.3281

Sweetspot

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



39.1412, 42.3933, 83.9624



77.7280, 83.0751, 106.5461



45.4935, 66.2181, 51.7976



16.1199, 17.2656, 22.7329



0.0000, 0.0000, 0.0000



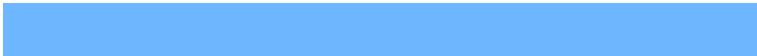
20.3446, 21.4041, 23.3091

Same Dimension

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



39.1412, 42.3933, 83.9624



41.3662, 44.3711, 100.9920



30.3359, 24.7825, 81.0273



14.8593, 15.8049, 19.1897



12.1159, 10.8787, 45.2042



1.0476, 1.0467, 3.5817

Inverse Universe

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



49.1526, 34.9146, 46.7979



55.3233, 35.7545, 48.7740



66.4067, 76.7211, 30.0493



15.3825, 15.1809, 17.2996



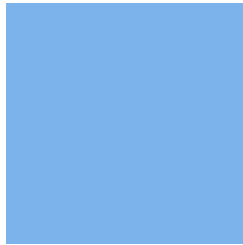
20.9708, 10.5910, 10.9136



1.6953, 0.8511, 1.1128

Previews

White Background



This preview shows how the XYZ color 39.1398, 42.3917, 83.9614 looks on a white background.

Color Contrast Check

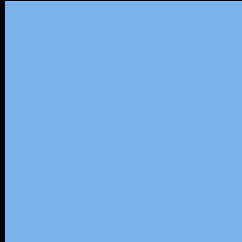
Large Text (above 18pt) WCAG AA × Fail

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 39.1398, 42.3917, 83.9614 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 39.1398, 42.3917, 83.9614

Background



This preview shows how black text looks on a background with the XYZ color 39.1398, 42.3917, 83.9614.



This preview shows how white text looks on a background with the XYZ color 39.1398, 42.3917,

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

39.1398, 42.3917, 83.9614

Protanopia

42.6671, 41.9964, 79.2561

Deuteranopia

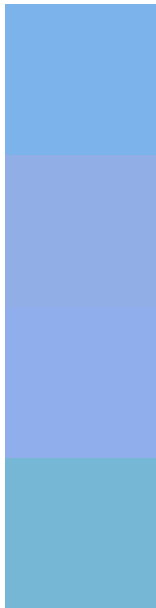
43.2208, 42.1505, 85.2148



Tritanopia

34.5843, 42.3788, 61.0007

Trichromacy



Original Color

39.1398, 42.3917, 83.9614

Protanomaly

41.0960, 42.0050, 80.8047

Deuteranomaly

41.4591, 42.1099, 84.5402

Tritanomaly

36.1533, 42.4023, 68.5663

Monochromacy



Original Color

39.1398, 42.3917, 83.9614

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5181, 40.4128, 56.2751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1398, 42.3917, 83.9614 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(123, 179, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 179, 234)  
}
```

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(123, 179, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 179, 234) }
```

Border

The CSS property to change the border of an element to XYZ 39.1398, 42.3917, 83.9614 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(123, 179, 234) }
```


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

```
.border{ border-color:rgb(123, 179, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 179, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 179, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 179, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 179,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1398, 42.3917, 83.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 179, 234) }
```

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

```
.background{ background-color: rgb(123,  
179, 234) }
```

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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