

Converting Colors

XYZ(39.3568, 47.0924, 78.0061)

Have a look what the booklet for
XYZ(39.3568, 47.0924, 78.0061)
contains.

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Color

**XYZ(39.3427, 47.0209,
78.2365)**

Conversions

Conversions Part 1

Format	Color
Hex	70C1E1
RGB	112, 193, 225
RGB Percent	44%, 76%, 88%
CMY	0.5608, 0.2431, 0.1176
CMYK	0.50, 0.14, 0.00, 0.12
HSL	197°, 65%, 66%
HSV	197°, 50%, 88%
XYZ	39.3427, 47.0209, 78.2365
YIQ	172.4290, -58.5480, -7.2200

Conversions

Conversions Part 2

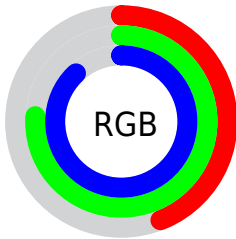
Format	Color
R_{YB}	112, 159, 225
Decimal	7389665
CIE _{Lab}	74.20, -16.18, -23.61
CIE _{LCh}	74, 28.622, 235.586
Yxy	47.0209, 0.2390, 0.2857
Android (android.graphics.Color)	4285579745 (0xFF70C1E1)
YUV	172.4290, 25.9175, -52.9962
Hunter-Lab	68.5718, -17.5872, -19.6463

Details

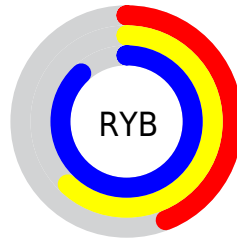
The XYZ color **39.3427, 47.0209, 78.2365** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.9505, 37.1254, 20.1804**, and the grayscale version is **39.3254, 41.3734, 45.0556**.

A 20% lighter version of the original color is **68.8132, 84.1373, 107.2210**, and **17.8536, 22.0713, 41.3494** is the 20% darker color. If you saturate the color by 10%, you get **35.4515, 42.9697, 77.6605**, and if you desaturate by 10%, it is **44.0128, 51.5657, 78.8685**.

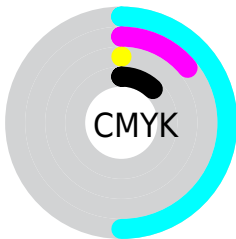
Distribution



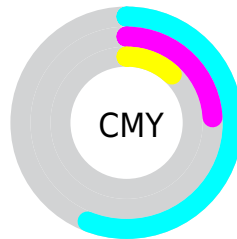
- Red (44%)
- Green (76%)
- Blue (88%)



- Red (44%)
- Yellow (62%)
- Blue (88%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (12%)



- Cyan (56%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3427, 47.0209, 78.2365 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 39.3427, 47.0209, 78.2365 by changing the saturation by 10% instead.

■ 39.3427, 47.0209,
78.2365

■ 39.3427, 47.0209,
78.2365

334.5274,
374.8979, 508.5188

■ 27.2084, 33.0522,
57.7507

■ 73.4523, 85.7448,
132.6724

■ 17.8672, 22.1664,
41.1949

■ 96.1582, 111.2688,
167.4595

■ 10.9538, 13.9792,
28.1505

■ 123.1187,
141.4133, 207.8508

■ 6.1028, 8.1062,
18.1991

154.6992,
176.5628, 254.2648

■ 2.9490, 4.1630,
10.9221

191.2649,
217.1016, 307.1201

■ 1.1268, 1.7652,
5.9010

233.1813,

■ 0.0474, 0.4653,

263.4141, 366.8351

2.7172

280.8137,
315.8848, 433.8285

■ 0.0000, 0.0000,
0.9520

■ 0.0000, 0.0000,
0.0000

■ 39.3427, 47.0209,
78.2365

■ 39.3427, 47.0209,
78.2365

■ 35.4515, 42.9697,
77.6605

■ 44.0128, 51.5657,
78.8685

■ 32.2796, 39.3773,
77.1343


■ 49.5068, 56.6255,
79.5555


■ 29.7658, 36.2119,
76.6558


■ 55.8713, 62.2263,
80.3011


■ 27.8353, 33.4340,
76.2213


■ 63.1481, 68.3908,
81.1075


 26.3855, 31.0258,
75.8329

 71.3761, 75.1399,
81.9765

 80.5919, 82.4938,
82.9102

 85.2902, 87.6152,
83.6511

 87.1742, 91.3832,
84.2791

 89.1245, 95.2837,
84.9292

Harmonies

Analogous

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



36.3679, 47.0209, 64.4010



39.3427, 47.0209, 78.2365



43.9367, 47.0209, 84.8679

Triad

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



39.3427, 47.0209, 78.2365



55.2724, 47.0209, 53.4042



40.5636, 47.0209, 29.7008

Complementary

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



39.3427, 47.0209, 78.2365



43.9505, 37.1254, 20.1804

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.



45.4559, 47.0209, 27.8701



39.3427, 47.0209, 78.2365



54.1981, 47.0209, 39.9349

Square

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



39.3427, 47.0209, 78.2365



53.3388, 47.0209, 68.8923



50.5054, 47.0209, 31.2398



37.0341, 47.0209, 36.8265

Rectangle

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



39.3427, 47.0209, 78.2365



47.3966, 47.0209, 83.5365



50.5054, 47.0209, 31.2398



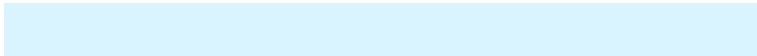
42.0922, 47.0209, 28.5120

Sweetspot

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



39.3442, 47.0227, 78.2376



78.9924, 86.7361, 107.1861



38.5012, 59.2533, 35.0533



16.4739, 18.1964, 22.8939



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.



39.3442, 47.0227, 78.2376



46.9914, 56.9685, 103.1271



29.4154, 27.1651, 74.9280



13.7714, 14.8820, 17.5344



15.3083, 18.0861, 43.7325



1.1360, 1.4034, 3.0562

Inverse Universe

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



46.4725, 31.4477, 54.0745



57.8338, 35.4997, 65.8754



54.3163, 57.8571, 23.6357



14.1208, 13.8660, 16.4066



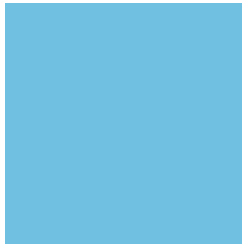
21.6671, 10.7338, 20.7106



1.5396, 0.7591, 1.6345

Previews

White Background



This preview shows how the XYZ color 39.3427, 47.0209, 78.2365 looks on a white background.

Color Contrast Check

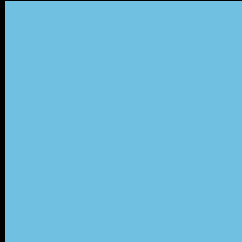
Large Text (above 18pt) WCAG AA × Fail

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 39.3427, 47.0209, 78.2365 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 39.3427, 47.0209, 78.2365

Background



This preview shows how black text looks on a background with the XYZ color 39.3427, 47.0209, 78.2365.

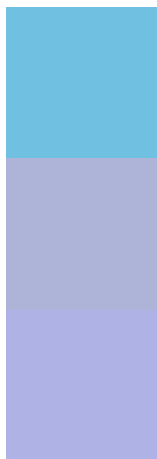


This preview shows how white text looks on a background with the XYZ color 39.3427, 47.0209,

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

39.3427, 47.0209, 78.2365

Protanopia

46.1715, 46.5991, 71.5268

Deuteranopia

47.6032, 46.5562, 79.8761



Tritanopia

37.3364, 46.8592, 68.7049

Trichromacy



Original Color

39.3427, 47.0209, 78.2365

Protanomaly

42.8976, 46.3917, 73.7114

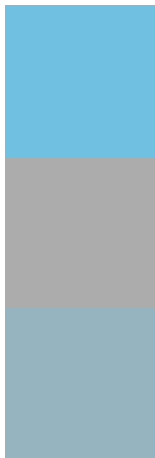
Deuteranomaly

43.7475, 46.0884, 79.2633

Tritanomaly

37.9931, 46.7927, 71.9952

Monochromacy



Original Color

39.3427, 47.0209, 78.2365

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.3029, 42.8881, 55.5497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3427, 47.0209, 78.2365 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(112, 193, 225)` looks like.

```
.text, #text, p{  
    color:rgb(112, 193, 225)  
}
```

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(112, 193, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 193, 225) }
```

Border

The CSS property to change the border of an element to XYZ 39.3427, 47.0209, 78.2365 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(112, 193, 225) }
```


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

```
.border{ border-color:rgb(112, 193, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 193, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 193, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 193, 225);  
box-shadow:4px 4px 4px 4px rgb(112, 193,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3427, 47.0209, 78.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 193, 225) }
```

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

```
.background{ background-color: rgb(112,  
193, 225) }
```

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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