

Converting Colors

XYZ(39.0431, 48.8280, 80.7657)

Have a look what the booklet for
XYZ(39.0431, 48.8280, 80.7657)
contains.

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Color

**XYZ(39.0431, 48.8280,
80.7657)**

Conversions

Conversions Part 1

Format	Color
Hex	5EC7E4
RGB	94, 199, 228
RGB Percent	37%, 78%, 89%
CMY	0.6313, 0.2196, 0.1059
CMYK	0.59, 0.13, 0.00, 0.11
HSL	193°, 71%, 63%
HSV	193°, 59%, 89%
XYZ	39.0431, 48.8280, 80.7657
YIQ	170.9110, -71.8890, -13.2410

Conversions

Conversions Part 2

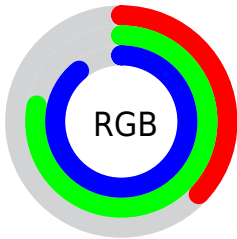
Format	Color
R _Y B	94, 153, 228
Decimal	6211556
CIE Lab	75.34, -22.04, -23.55
CIE LCh	75, 32.260, 226.899
Yxy	48.8280, 0.2315, 0.2895
Android (android.graphics.Color)	4284401636 (0xFF5EC7E4)
YUV	170.9110, 28.1449, -67.4509
Hunter-Lab	69.8770, -22.5497, -19.6150

Details

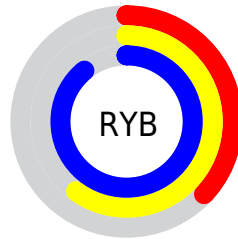
The XYZ color **39.0431, 48.8280, 80.7657** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.0995, 31.4695, 14.4993**, and the grayscale version is **38.5547, 40.5625, 44.1726**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **17.7558, 23.3131, 43.0992** is the 20% darker color. If you saturate the color by 10%, you get **35.9246, 45.5632, 80.3008**, and if you desaturate by 10%, it is **42.8919, 52.5260, 81.2775**.

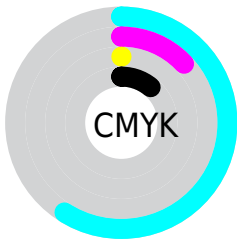
Distribution



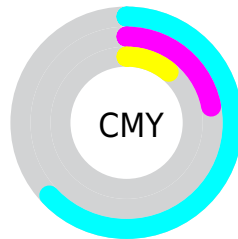
- Red (37%)
- Green (78%)
- Blue (89%)



- Red (37%)
- Yellow (60%)
- Blue (89%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (63%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0431, 48.8280, 80.7657 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 39.0431, 48.8280, 80.7657 by changing the saturation by 10% instead.

■ 39.0431, 48.8280,
80.7657

■ 39.0431, 48.8280,
80.7657

■ 333.2777,
382.0648, 517.2842

■ 26.9741, 34.4831,
59.8188

■ 72.9978, 88.4359,
136.2628

■ 17.6903, 23.2649,
42.8482

■ 95.6143, 114.4677,
171.6501

■ 10.8262, 14.7893,
29.4355

■ 122.4772,
145.1639, 212.6880

■ 6.0165, 8.6716,
19.1621

■ 153.9521,
180.9089, 259.7949

■ 2.8959, 4.5276,
11.6095

■ 190.4043,
222.0871, 313.3894

■ 1.0989, 1.9729,
6.3591

■ 232.1990,

■ 0.0242, 0.5916,

269.0829, 373.8902

2.9923

279.7017,
322.2807, 441.7156

■ 0.0000, 0.0000,
1.0907

■ 0.0000, 0.0000,
0.0000

■ 39.0431, 48.8280,
80.7657

■ 39.0431, 48.8280,
80.7657

■ 35.9246, 45.5632,
80.3008

■ 42.8919, 52.5260,
81.2775

■ 33.4685, 42.6930,
79.8762

■ 47.5218, 56.6808,
81.8355

■ 31.6019, 40.1803,
79.4896

■ 52.9843, 61.3205,
82.4431

■ 30.2124, 37.9666,
79.1356

■ 59.3251, 66.4690,
83.1027

■ 30.0556, 37.7051,
79.0934

■ 66.5864, 72.1488,
83.8163

■ 74.8077, 78.3806,
84.5858

■ 84.0261, 85.1839,
85.4131

■ 85.9573, 88.2887,
85.9106

■ 87.4175, 91.2091,
86.3974

Harmonies

Analogous

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



36.3278, 48.8280, 63.2392



39.0431, 48.8280, 80.7657



43.8716, 48.8280, 91.7564

Triad

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



39.0431, 48.8280, 80.7657



58.4306, 48.8280, 60.9198



43.1718, 48.8280, 27.6319

Complementary

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



39.0431, 48.8280, 80.7657



41.0995, 31.4695, 14.4993

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.



49.0436, 48.8280, 27.2711



39.0431, 48.8280, 80.7657



58.2027, 48.8280, 44.2226

Square

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



39.0431, 48.8280, 80.7657



55.2472, 48.8280, 78.7590



54.6488, 48.8280, 32.7006



38.5686, 48.8280, 33.8206

Rectangle

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



39.0431, 48.8280, 80.7657



47.7934, 48.8280, 92.6423



54.6488, 48.8280, 32.7006



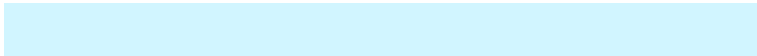
45.0527, 48.8280, 26.8797

Sweetspot

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



39.0447, 48.8298, 80.7669



77.0454, 86.1351, 107.1727



35.7998, 59.2432, 27.5749



15.9480, 18.0028, 22.8843



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.



39.0447, 48.8298, 80.7669



45.3796, 57.6927, 103.3518



27.1740, 25.0885, 76.8100



14.5289, 15.7792, 18.4243



17.4453, 21.9528, 45.7010



1.3551, 1.7541, 3.3991

Inverse Universe

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



46.3077, 28.6244, 57.1191



56.0567, 31.0994, 67.8911



51.9571, 53.1847, 18.1185



14.8545, 14.5590, 17.4344



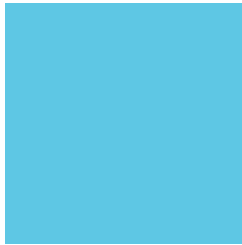
23.1991, 11.4139, 25.7412



1.7476, 0.8568, 2.0774

Previews

White Background



This preview shows how the XYZ color 39.0431, 48.8280, 80.7657 looks on a white background.

Color Contrast Check

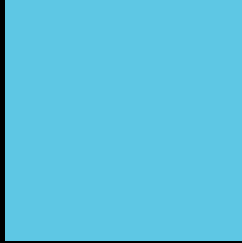
Large Text (above 18pt) WCAG AA × Fail

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 39.0431, 48.8280, 80.7657 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 39.0431, 48.8280, 80.7657

Background



This preview shows how black text looks on a background with the XYZ color 39.0431, 48.8280, 80.7657.



This preview shows how white text looks on a background with the XYZ color 39.0431, 48.8280,

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

39.0431, 48.8280, 80.7657

Protanopia

47.8180, 48.3417, 72.4562

Deuteranopia

49.4495, 48.3389, 83.0680



Tritanopia

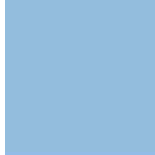
37.5309, 48.9069, 73.1075

Trichromacy



Original Color

39.0431, 48.8280, 80.7657



Protanomaly

43.2814, 47.8187, 75.3554



Deuteranomaly

44.4396, 47.9390, 82.5122



Tritanomaly

38.0198, 48.7532, 75.8131

Monochromacy



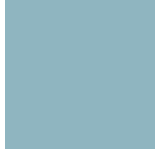
Original Color

39.0431, 48.8280, 80.7657



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.3660, 42.6932, 56.1404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0431, 48.8280, 80.7657 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(94, 199, 228)` looks like.

```
.text, #text, p{  
    color:rgb(94, 199, 228)  
}
```

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(94, 199, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 199, 228) }
```

Border

The CSS property to change the border of an element to XYZ 39.0431, 48.8280, 80.7657 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(94, 199, 228) }
```


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

```
.border{ border-color:rgb(94, 199, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 199, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 199, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 199, 228);  
box-shadow:4px 4px 4px 4px rgb(94, 199,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0431, 48.8280, 80.7657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 199, 228) }
```

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

```
.background{ background-color: rgb(94, 199,  
228) }
```

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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