

# Converting Colors

XYZ(39.8473, 47.0311, 71.5556)

Have a look what the booklet for  
XYZ(39.8473, 47.0311, 71.5556)  
contains.

<b>XYZ(39.8678, 47.1176, 71.2833)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.8678, 47.1176,  
71.2833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FC0D7
RGB	127, 192, 215
RGB Percent	50%, 75%, 84%
CMY	0.5019, 0.2470, 0.1569
CMYK	0.41, 0.11, 0.00, 0.16
HSL	196°, 52%, 67%
HSV	196°, 41%, 84%
XYZ	39.8678, 47.1176, 71.2833
YIQ	175.1870, -46.1230, -6.6270

# Conversions

## Conversions Part 2

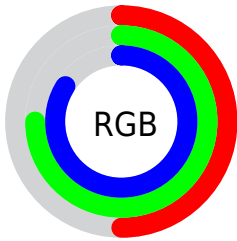
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	127, 164, 215
Decimal	8372439
CIE Lab	74.26, -14.79, -18.03
CIE LCh	74, 23.324, 230.640
Yxy	47.1176, 0.2519, 0.2977
Android (android.graphics.Color)	4286562519 (0xFF7FC0D7)
YUV	175.1870, 19.6278, -42.2600
Hunter-Lab	68.6423, -16.4502, -13.5216

# Details

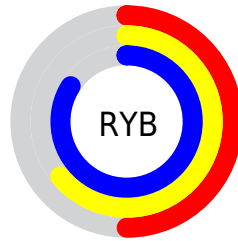
The XYZ color **39.8678, 47.1176, 71.2833** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7624, 37.7930, 25.1210**, and the grayscale version is **40.7643, 42.8872, 46.7041**.

A 20% lighter version of the original color is **71.1458, 84.4221, 107.1530**, and **18.1061, 22.0927, 36.5677** is the 20% darker color. If you saturate the color by 10%, you get **35.7909, 43.2202, 70.7467**, and if you desaturate by 10%, it is **44.6779, 51.4651, 71.8698**.

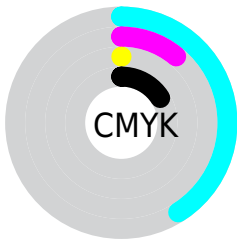
# Distribution



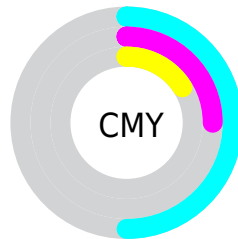
- Red (50%)
- Green (75%)
- Blue (84%)



- Red (50%)
- Yellow (64%)
- Blue (84%)



- Cyan (41%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (25%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8678, 47.1176, 71.2833 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 39.8678, 47.1176, 71.2833 by changing the saturation by 10% instead.



■ 39.8678, 47.1176,  
71.2833

■ 39.8678, 47.1176,  
71.2833

336.7100,  
375.2837, 483.9535

■ 27.6192, 33.1286,  
52.0902

■ 74.2478, 85.8891,  
122.7352

■ 18.1778, 22.2250,  
36.6942

■ 97.1099, 111.4405,  
155.8311

■ 11.1782, 14.0223,  
24.6769

■ 124.2406,  
141.6148, 194.3984

■ 6.2550, 8.1362,  
15.6197

156.0052,  
176.7964, 238.8555

■ 3.0429, 4.1822,  
9.1040

192.7691,  
217.3697, 289.6210

■ 1.1765, 1.7760,  
4.7113

234.8977,

■ 0.0877, 0.4722,

263.7191, 347.1135

2.0232

282.7562,  
316.2290, 411.7515

■ 0.0000, 0.0000,  
0.5695

■ 0.0000, 0.0000,  
0.0000

■ 39.8678, 47.1176,  
71.2833

■ 39.8678, 47.1176,  
71.2833

■ 35.7909, 43.2202,  
70.7467

■ 44.6779, 51.4651,  
71.8698

■ 32.3986, 39.7437,  
70.2545

■ 50.2574, 56.2788,  
72.5048

■ 29.6427, 36.6638,  
69.8053

■ 56.6451, 61.5807,  
73.1915

■ 27.4667, 33.9504,  
69.3962

■ 63.8759, 67.3893,  
73.9316

■ 25.8034, 31.5680,  
69.0240

■ 71.9826, 73.7224,  
74.7267

■ 24.6316, 29.6377,  
68.7132

■ 80.6255, 80.4055,  
75.5612

■ 82.1761, 83.5067,  
76.0780

■ 83.7772, 86.7089,  
76.6117

■ 85.4293, 90.0131,  
77.1624

# Harmonies

## Analogous

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



37.6618, 47.1176, 59.8706



39.8678, 47.1176, 71.2833



43.4867, 47.1176, 77.5931

# Triad

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



39.8678, 47.1176, 71.2833



53.2099, 47.1176, 55.1468



42.0045, 47.1176, 32.6034

# Complementary

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



39.8678, 47.1176, 71.2833



42.7624, 37.7930, 25.1210

# 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.



46.1066, 47.1176, 31.7437



39.8678, 47.1176, 71.2833



52.7516, 47.1176, 43.5945

# Square

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



39.8678, 47.1176, 71.2833



51.3040, 47.1176, 67.3658



50.0883, 47.1176, 35.4558



38.8409, 47.1176, 38.0210



# Rectangle

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



39.8678, 47.1176, 71.2833



46.2874, 47.1176, 77.4754



50.0883, 47.1176, 35.4558



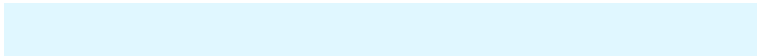
43.3133, 47.1176, 31.8087

# Sweetspot

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



39.8693, 47.1194, 71.2844



82.1762, 89.6545, 107.5816



38.4788, 55.2839, 37.0780



17.3129, 18.9630, 22.9977



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

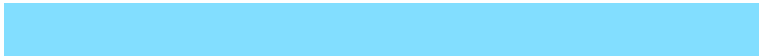


# Same Dimension

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



39.8693, 47.1194, 71.2844



53.4765, 64.3955, 104.2188



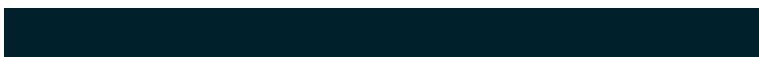
31.7669, 30.9147, 68.5836



12.5048, 13.5330, 15.8906



14.8227, 17.9071, 41.1283



0.9596, 1.2111, 2.5025



# Inverse Universe

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



45.1294, 33.4330, 53.9457



62.4603, 42.5310, 74.2669



50.9261, 54.1204, 27.8423



12.8080, 12.5747, 14.9291



20.5407, 10.1526, 20.6830

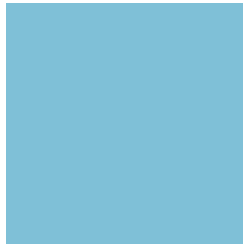


1.2720, 0.6256, 1.4217



# Previews

## White Background



This preview shows how the XYZ color 39.8678, 47.1176, 71.2833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

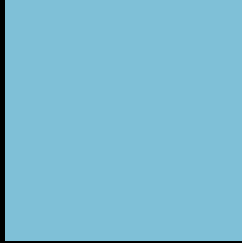
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8678, 47.1176, 71.2833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

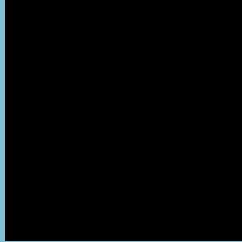
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.8678, 47.1176, 71.2833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8678, 47.1176, 71.2833.



This preview shows how white text looks on a background with the XYZ color 39.8678, 47.1176,



# 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

39.8678, 47.1176, 71.2833

### Protanopia

45.7152, 46.4946, 65.5964

### Deuteranopia

47.8667, 46.8478, 72.8494



## Tritanopia

39.0360, 47.1034, 67.3560

# Trichromacy



## Original Color

39.8678, 47.1176, 71.2833

## Protanomaly

43.0714, 46.3051, 67.6404

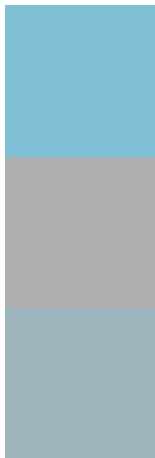
## Deuteranomaly

44.3582, 46.5581, 72.2943

## Tritanomaly

39.4320, 47.2787, 68.6754

# Monochromacy



## Original Color

39.8678, 47.1176, 71.2833

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

39.9187, 44.0346, 55.1108

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8678, 47.1176, 71.2833 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(127, 192, 215)` looks like.

```
.text, #text, p{  
    color:rgb(127, 192, 215)  
}
```

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(127, 192, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 192, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8678, 47.1176, 71.2833 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(127, 192, 215) }
```



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

```
.border{ border-color:rgb(127, 192, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 192, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 192, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 192, 215); box-shadow:4px 4px 4px 4px rgb(127, 192, 215) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8678, 47.1176, 71.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 192, 215) }
```

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

```
.background{ background-color: rgb(127,  
192, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor