

Converting Colors

XYZ(39.1668, 49.6091, 71.8020)

Have a look what the booklet for
XYZ(39.1668, 49.6091, 71.8020)
contains.

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Color

**XYZ(39.3367, 49.8677,
71.8421)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC9D7
RGB	108, 201, 215
RGB Percent	42%, 79%, 84%
CMY	0.5765, 0.2118, 0.1569
CMYK	0.50, 0.07, 0.00, 0.16
HSL	188°, 57%, 63%
HSV	188°, 50%, 84%
XYZ	39.3367, 49.8677, 71.8421
YIQ	174.7890, -59.9220, -15.3620

Conversions

Conversions Part 2

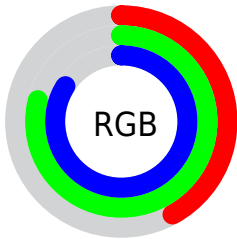
Format	Color
RYB	108, 158, 215
Decimal	7129559
CIELab	75.99, -23.89, -15.52
CIELCh	76, 28.484, 213.003
Yxy	49.8677, 0.2443, 0.3096
Android (android.graphics.Color)	4285319639 (0xFF6CC9D7)
YUV	174.7890, 19.8240, -58.5740
Hunter-Lab	70.6171, -24.1478, -10.8866

Details

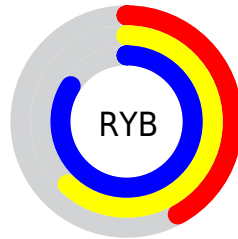
The XYZ color **39.3367, 49.8677, 71.8421** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.6916, 29.4499, 17.8865**, and the grayscale version is **40.5628, 42.6753, 46.4734**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **17.8611, 23.9634, 36.9417** is the 20% darker color. If you saturate the color by 10%, you get **36.3879, 47.3841, 71.5190**, and if you desaturate by 10%, it is **42.9452, 52.7115, 72.2017**.

Distribution



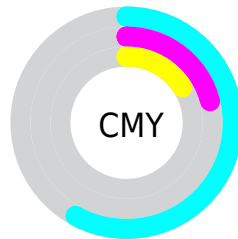
- Red (42%)
- Green (79%)
- Blue (84%)



- Red (42%)
- Yellow (62%)
- Blue (84%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3367, 49.8677, 71.8421 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 39.3367, 49.8677, 71.8421 by changing the saturation by 10% instead.

■ 39.3367, 49.8677,
71.8421

■ 39.3367, 49.8677,
71.8421

334.5024,
386.1483, 485.9546

■ 27.2037, 35.3083,
52.5437

■ 73.4432, 89.9788,
123.5376

■ 17.8636, 23.9004,
37.0534

■ 96.1473, 116.2993,
156.7718

■ 10.9512, 15.2598,
24.9527

■ 123.1059,
147.3090, 195.4883

■ 6.1011, 9.0019,
15.8231

154.6842,
183.3922, 240.1057

■ 2.9479, 4.7424,
9.2461

191.2477,
224.9333, 291.0424

■ 1.1263, 2.0969,
4.8030

233.1617,

■ 0.0469, 0.6629,

272.3168, 348.7172

2.0755

280.7915,
325.9270, 413.5484

■ 0.0000, 0.0000,
0.6011

■ 0.0000, 0.0000,
0.0000

■ 39.3367, 49.8677,
71.8421

■ 39.3367, 49.8677,
71.8421

■ 36.3879, 47.3841,
71.5190

■ 42.9452, 52.7115,
72.2017

■ 34.0460, 45.2300,
71.2267


■ 47.2524, 55.9322,
72.5963


■ 32.2574, 43.3787,
70.9636


■ 52.2992, 59.5522,
73.0291


■ 30.9567, 41.7966,
70.7268


■ 58.1226, 63.5907,
73.5017


 30.0297, 40.4245,
70.5108


 64.7565, 68.0652,
74.0157

 30.0094, 40.3933,
70.5058

 72.2331, 72.9925,
74.5727

 79.2813, 77.7172,
75.1132

 80.0289, 79.2123,
75.3624

 80.7889, 80.7324,
75.6157

Harmonies

Analogous

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



37.9110, 49.8677, 55.8446



39.3367, 49.8677, 71.8421



42.9103, 49.8677, 84.7590

Triad

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



39.3367, 49.8677, 71.8421



57.0948, 49.8677, 68.6898



46.8646, 49.8677, 30.0088

Complementary

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



39.3367, 49.8677, 71.8421



37.6916, 29.4499, 17.8865

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.



52.1877, 49.8677, 32.1790



39.3367, 49.8677, 71.8421



58.3482, 49.8677, 52.7791

Square

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



39.3367, 49.8677, 71.8421



53.1823, 49.8677, 82.7131



56.4911, 49.8677, 39.8705



42.0486, 49.8677, 33.2726

Rectangle

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



39.3367, 49.8677, 71.8421



46.1643, 49.8677, 88.8188



56.4911, 49.8677, 39.8705



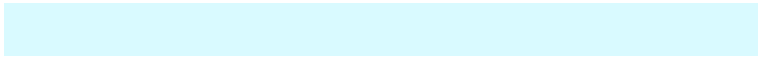
48.6530, 49.8677, 30.1287

Sweetspot

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



39.3382, 49.8696, 71.8433



80.7753, 90.3021, 107.7805



33.9055, 53.1579, 26.3984



16.9066, 19.0618, 23.0382



0.0000, 0.0000, 0.0000



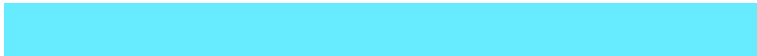
20.3446, 21.4041, 23.3091

Same Dimension

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



39.3382, 49.8696, 71.8433



53.2331, 69.4520, 105.2076



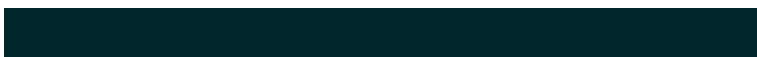
29.2015, 29.5961, 68.4644



12.6472, 13.8178, 15.9380



18.0046, 24.2710, 42.1890



1.1254, 1.5428, 2.5578

Inverse Universe

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



43.9308, 29.3906, 58.6179



60.9844, 36.7599, 82.4659



45.8651, 45.7968, 20.6110



12.8799, 12.6034, 15.3076



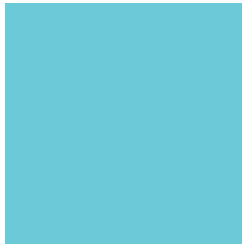
22.1468, 10.7950, 29.1406



1.3557, 0.6591, 1.8624

Previews

White Background



This preview shows how the XYZ color 39.3367, 49.8677, 71.8421 looks on a white background.

Color Contrast Check

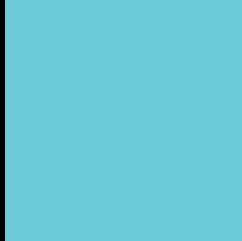
Large Text (above 18pt) WCAG AA × Fail

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 39.3367, 49.8677, 71.8421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

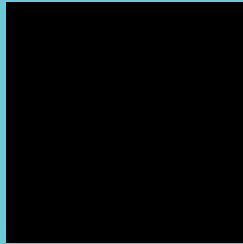
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3367, 49.8677, 71.8421

Background



This preview shows how black text looks on a background with the XYZ color 39.3367, 49.8677, 71.8421.



This preview shows how white text looks on a background with the XYZ color 39.3367, 49.8677,

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

39.3367, 49.8677, 71.8421

Protanopia

48.1356, 49.2960, 64.7357

Deuteranopia

50.2532, 49.2617, 73.8777



Tritanopia

39.7177, 50.0343, 73.2099

Trichromacy



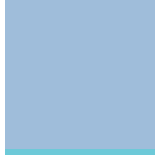
Original Color

39.3367, 49.8677, 71.8421



Protanomaly

43.8497, 48.9330, 67.4555



Deuteranomaly

45.1506, 48.8281, 73.3747



Tritanomaly

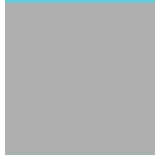
39.5880, 49.9824, 72.5268

Monochromacy



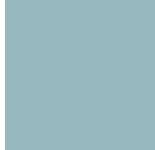
Original Color

39.3367, 49.8677, 71.8421



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

39.1973, 44.5780, 55.2537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3367, 49.8677, 71.8421 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(108, 201, 215)` looks like.

```
.text, #text, p{  
    color:rgb(108, 201, 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(108, 201, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 201, 215) }
```

Border

The CSS property to change the border of an element to XYZ 39.3367, 49.8677, 71.8421 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(108, 201, 215) }
```


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

```
.border{ border-color:rgb(108, 201, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 201, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 201, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 201, 215);  
box-shadow:4px 4px 4px 4px rgb(108, 201,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3367, 49.8677, 71.8421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 201, 215) }
```

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

```
.background{ background-color: rgb(108,  
201, 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](#).

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