

Converting Colors

XYZ(39.2990, 48.0010, 63.2838)

Have a look what the booklet for
XYZ(39.2990, 48.0010, 63.2838)
contains.

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Color

**XYZ(39.2290, 47.9616,
63.0670)**

Conversions

Conversions Part 1

Format	Color
Hex	81C3CA
RGB	129, 195, 202
RGB Percent	51%, 76%, 79%
CMY	0.4941, 0.2353, 0.2078
CMYK	0.36, 0.03, 0.00, 0.21
HSL	186°, 41%, 65%
HSV	186°, 36%, 79%
XYZ	39.2290, 47.9616, 63.0670
YIQ	176.0640, -41.5830, -11.8150

Conversions

Conversions Part 2

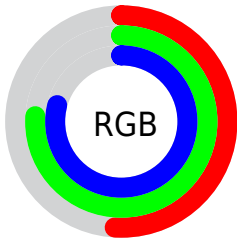
Format	Color
RYB	129, 164, 202
Decimal	8504266
CIELab	74.80, -19.11, -10.16
CIELCh	75, 21.645, 208.004
Yxy	47.9616, 0.2611, 0.3192
Android (android.graphics.Color)	4286694346 (0xFF81C3CA)
YUV	176.0640, 12.7864, -41.2751
Hunter-Lab	69.2543, -20.0840, -5.5149

Details

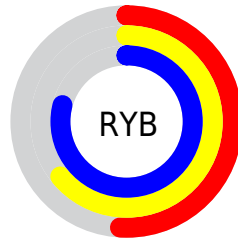
The XYZ color **39.2290, 47.9616, 63.0670** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.1244, 31.7503, 24.9417**, and the grayscale version is **41.2523, 43.4006, 47.2633**.

A 20% lighter version of the original color is **72.8680, 87.1551, 107.5898**, and **17.7718, 22.6837, 31.4587** is the 20% darker color. If you saturate the color by 10%, you get **36.0281, 45.6727, 62.7947**, and if you desaturate by 10%, it is **43.0450, 50.5783, 63.3718**.

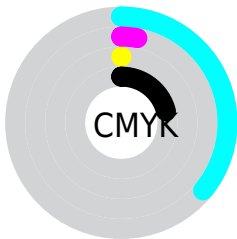
Distribution



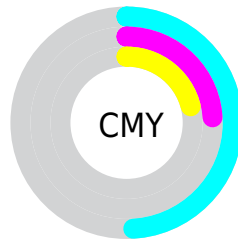
- Red (51%)
- Green (76%)
- Blue (79%)



- Red (51%)
- Yellow (64%)
- Blue (79%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2290, 47.9616, 63.0670 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 39.2290, 47.9616, 63.0670 by changing the saturation by 10% instead.

■ 39.2290, 47.9616,
63.0670

■ 39.2290, 47.9616,
63.0670

334.0535,
378.6399, 453.9272

■ 27.1194, 33.7965,
45.4541

■ 73.2799, 87.1472,
110.8527

■ 17.8000, 22.7373,
31.4697

■ 95.9519, 112.9365,
141.8625

■ 10.9053, 14.3996,
20.6953

■ 122.8754,
143.3693, 178.1750

■ 6.0700, 8.3991,
12.7124

154.4158,
178.8301, 220.2088

■ 2.9288, 4.3514,
7.1024

190.9385,
219.7031, 268.3824

■ 1.1162, 1.8720,
3.4468

232.8088,

■ 0.0386, 0.5315,

266.3728, 323.1143

1.3271

280.3920,
319.2236, 384.8231

■ 0.0000, 0.0000,
0.0838

■ 0.0000, 0.0000,
0.0000

■ 39.2290, 47.9616,
63.0670

■ 39.2290, 47.9616,
63.0670

■ 36.0281, 45.6727,
62.7947

■ 43.0450, 50.5783,
63.3718

■ 33.4019, 43.6872,
62.5499

■ 47.5046, 53.5340,
63.7072

■ 31.3123, 41.9867,
62.3318

■ 52.6401, 56.8465,
64.0759

■ 29.7144, 40.5478,
62.1383

■ 58.4800, 60.5306,
64.4792

■ 28.5561, 39.3438,
61.9670

■ 65.0513, 64.6003,
64.9184

■ 27.7715, 38.3407,
61.8147

■ 72.3796, 69.0687,
65.3947

■ 27.5196, 37.9818,
61.7587

■ 74.5931, 70.9089,
65.6332

■ 75.0698, 71.8622,
65.7921

■ 75.5523, 72.8272,
65.9529

Harmonies

Analogous

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



38.4374, 47.9616, 51.4711



39.2290, 47.9616, 63.0670



41.6948, 47.9616, 72.8305

Triad

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



39.2290, 47.9616, 63.0670



52.3060, 47.9616, 64.5607



45.8500, 47.9616, 33.4277

Complementary

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



39.2290, 47.9616, 63.0670



37.1244, 31.7503, 24.9417

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.



49.7122, 47.9616, 35.9216



39.2290, 47.9616, 63.0670



53.5703, 47.9616, 52.9802

Square

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



39.2290, 47.9616, 63.0670



49.2303, 47.9616, 73.7765



52.5953, 47.9616, 42.6975



42.1263, 47.9616, 35.3369

Rectangle

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



39.2290, 47.9616, 63.0670



44.0320, 47.9616, 76.4046



52.5953, 47.9616, 42.6975



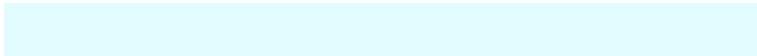
47.1762, 47.9616, 33.7705

Sweetspot

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



39.2304, 47.9635, 63.0681



84.6210, 93.3591, 108.1679



34.5538, 48.6607, 30.5248



17.8590, 19.8190, 23.1341



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.



39.2304, 47.9635, 63.0681



62.2868, 78.2675, 106.4320



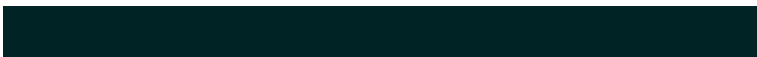
32.1848, 33.8723, 60.7196



11.4478, 12.5360, 14.3867



17.7442, 24.5124, 39.7524



0.9427, 1.3192, 2.0599

Inverse Universe

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



42.0588, 32.1983, 55.6300



67.8224, 48.1793, 91.7025



42.9938, 43.4892, 26.8982



11.6394, 11.3845, 13.9016



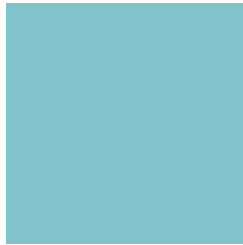
21.1674, 10.2775, 29.6636



1.1058, 0.5357, 1.6030

Previews

White Background



This preview shows how the XYZ color 39.2290, 47.9616, 63.0670 looks on a white background.

Color Contrast Check

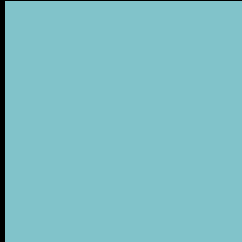
Large Text (above 18pt) WCAG AA × Fail

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 39.2290, 47.9616, 63.0670 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

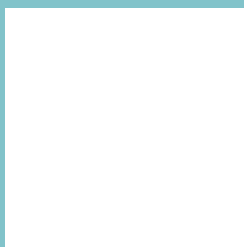
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2290, 47.9616, 63.0670

Background



This preview shows how black text looks on a background with the XYZ color 39.2290, 47.9616, 63.0670.



This preview shows how white text looks on a background with the XYZ color 39.2290, 47.9616,

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

39.2290, 47.9616, 63.0670

Protanopia

45.9940, 47.4182, 57.7674

Deuteranopia

48.4257, 47.3249, 64.3399



Tritanopia

40.1605, 48.0123, 67.4722

Trichromacy



Original Color

39.2290, 47.9616, 63.0670

Protanomaly

42.9526, 47.3584, 59.7006

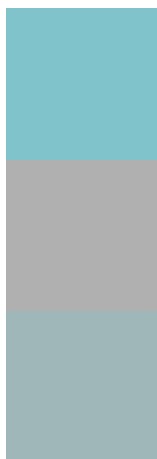
Deuteranomaly

44.1880, 46.9654, 63.8630

Tritanomaly

39.6383, 47.7856, 65.5269

Monochromacy



Original Color

39.2290, 47.9616, 63.0670

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.9885, 44.7407, 52.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2290, 47.9616, 63.0670 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(129, 195, 202)` looks like.

```
.text, #text, p{  
    color:rgb(129, 195, 202)  
}
```

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(129, 195, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 195, 202) }
```

Border

The CSS property to change the border of an element to XYZ 39.2290, 47.9616, 63.0670 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(129, 195, 202) }
```


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

```
.border{ border-color:rgb(129, 195, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 195, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 195, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 195, 202);  
box-shadow:4px 4px 4px 4px rgb(129, 195,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2290, 47.9616, 63.0670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 195, 202) }
```

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

```
.background{ background-color: rgb(129,  
195, 202) }
```

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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