

Converting Colors

XYZ(39.6350, 50.0512, 77.5194)

Have a look what the booklet for
XYZ(39.6350, 50.0512, 77.5194)
contains.

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Color

**XYZ(39.4615, 49.8103,
77.3466)**

Conversions

Conversions Part 1

Format	Color
Hex	64C9DF
RGB	100, 201, 223
RGB Percent	39%, 79%, 87%
CMY	0.6078, 0.2118, 0.1255
CMYK	0.55, 0.10, 0.00, 0.13
HSL	191°, 66%, 63%
HSV	191°, 55%, 87%
XYZ	39.4615, 49.8103, 77.3466
YIQ	173.3090, -67.2580, -14.5700

Conversions

Conversions Part 2

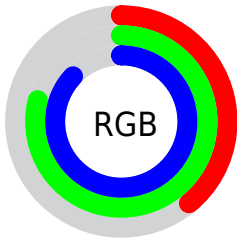
Format	Color
RYB	100, 155, 223
Decimal	6605279
CIELab	75.95, -23.34, -19.91
CIELCh	76, 30.683, 220.468
Yxy	49.8103, 0.2368, 0.2989
Android (android.graphics.Color)	4284795359 (0xFF64C9DF)
YUV	173.3090, 24.4977, -64.2920
Hunter-Lab	70.5764, -23.7037, -15.5740

Details

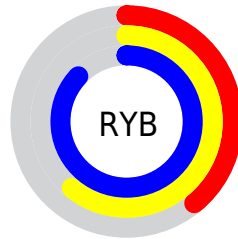
The XYZ color **39.4615, 49.8103, 77.3466** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.6926, 30.5287, 15.8589**, and the grayscale version is **39.7832, 41.8550, 45.5801**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **17.9805, 23.9415, 40.7193** is the 20% darker color. If you saturate the color by 10%, you get **36.4069, 46.8742, 76.9418**, and if you desaturate by 10%, it is **43.2183, 53.1464, 77.7934**.

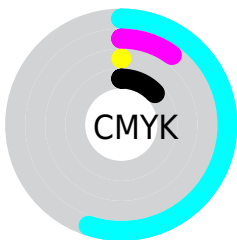
Distribution



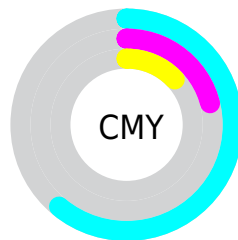
- Red (39%)
- Green (79%)
- Blue (87%)



- Red (39%)
- Yellow (61%)
- Blue (87%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (61%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4615, 49.8103, 77.3466 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 39.4615, 49.8103, 77.3466 by changing the saturation by 10% instead.

■ 39.4615, 49.8103,
77.3466

■ 39.4615, 49.8103,
77.3466

335.0221,
385.9236, 505.4140

■ 27.3013, 35.2627,
57.0241

■ 73.6324, 89.8937,
131.4061

■ 17.9374, 23.8653,
40.6151

■ 96.3737, 116.1984,
165.9802

■ 11.0044, 15.2337,
27.7010

■ 123.3728,
147.1908, 206.1420

■ 6.1371, 8.9836,
17.8633

■ 154.9950,
183.2554, 252.3099

■ 2.9701, 4.7305,
10.6835

191.6057,
224.7766, 304.9025

■ 1.1380, 2.0900,
5.7429

233.5702,

■ 0.0565, 0.6590,

272.1388, 364.3383

2.6232

281.2539,
325.7263, 431.0360

■ 0.0000, 0.0000,
0.9044

■ 0.0000, 0.0000,
0.0000

■ 39.4615, 49.8103,
77.3466

■ 39.4615, 49.8103,
77.3466

■ 36.4069, 46.8742,
76.9418

■ 43.2183, 53.1464,
77.7934

■ 33.9931, 44.3029,
76.5727

■ 47.7229, 56.9030,
78.2811

■ 32.1557, 42.0642,
76.2374

■ 53.0225, 61.1058,
78.8130

■ 30.8141, 40.1160,
75.9321

■ 59.1589, 65.7767,
79.3912

■ 30.2769, 39.2427,
75.7918

■ 66.1711, 70.9359,
80.0174

■ 74.0953, 76.6024,
80.6935

■ 82.5574, 82.5836,
81.4020

■ 83.6732, 84.8153,
81.7739

■ 84.8146, 87.0981,
82.1544

Harmonies

Analogous

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



37.3334, 49.8103, 60.1597



39.4615, 49.8103, 77.3466



43.7615, 49.8103, 89.6540

Triad

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



39.4615, 49.8103, 77.3466



58.4799, 49.8103, 65.4586



45.3735, 49.8103, 28.7893

Complementary

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



39.4615, 49.8103, 77.3466



39.6926, 30.5287, 15.8589

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.



51.1151, 49.8103, 29.6419



39.4615, 49.8103, 77.3466



58.9992, 49.8103, 48.7126

Square

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



39.4615, 49.8103, 77.3466



54.8438, 49.8103, 81.8909



56.2101, 49.8103, 36.2574



40.5597, 49.8103, 33.6332

Rectangle

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



39.4615, 49.8103, 77.3466



47.4331, 49.8103, 92.2097



56.2101, 49.8103, 36.2574



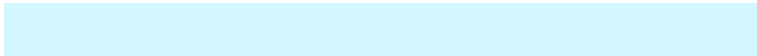
47.2534, 49.8103, 28.4477

Sweetspot

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



39.4631, 49.8122, 77.3478



78.4368, 87.8375, 107.4280



35.0652, 56.8542, 27.0565



16.4183, 18.5210, 22.9595



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.



39.4631, 49.8122, 77.3478



48.8503, 63.0274, 104.1986



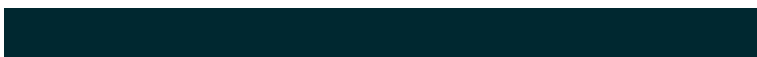
28.1013, 27.0887, 73.5605



13.8972, 15.1335, 17.5763



17.8777, 23.2249, 44.5890



1.2944, 1.7202, 3.1091

Inverse Universe

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



45.5326, 29.0210, 58.4620



58.2007, 33.4586, 74.5522



49.4610, 50.0656, 19.1150



14.1843, 13.8914, 16.7408



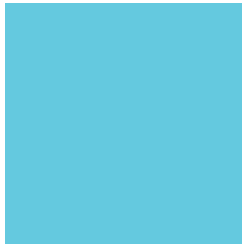
22.9640, 11.2526, 27.5401



1.6196, 0.7911, 2.0556

Previews

White Background



This preview shows how the XYZ color 39.4615, 49.8103, 77.3466 looks on a white background.

Color Contrast Check

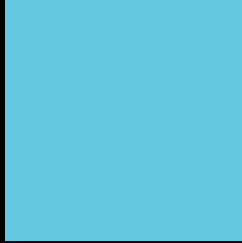
Large Text (above 18pt) WCAG AA × Fail

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 39.4615, 49.8103, 77.3466 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 39.4615, 49.8103, 77.3466

Background



This preview shows how black text looks on a background with the XYZ color 39.4615, 49.8103, 77.3466.



This preview shows how white text looks on a background with the XYZ color 39.4615, 49.8103,

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

39.4615, 49.8103, 77.3466

Protanopia

48.5240, 49.3965, 69.2643

Deuteranopia

50.3602, 49.1923, 79.5138



Tritanopia

38.8124, 49.8997, 73.9156

Trichromacy



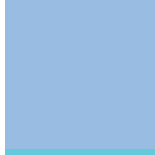
Original Color

39.4615, 49.8103, 77.3466



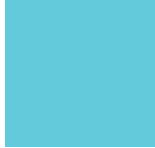
Protanomaly

43.9744, 48.8949, 72.0857



Deuteranomaly

45.0619, 48.6585, 78.9685



Tritanomaly

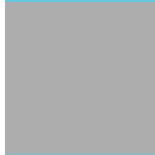
39.1844, 50.0610, 75.3077

Monochromacy



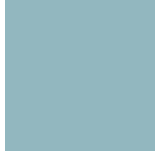
Original Color

39.4615, 49.8103, 77.3466



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

38.1915, 43.7396, 55.7199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4615, 49.8103, 77.3466 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(100, 201, 223)` looks like.

```
.text, #text, p{  
    color:rgb(100, 201, 223)  
}
```

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(100, 201, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 201, 223) }
```

Border

The CSS property to change the border of an element to XYZ 39.4615, 49.8103, 77.3466 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(100, 201, 223) }
```


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

```
.border{ border-color:rgb(100, 201, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 201, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 201, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 201, 223);  
box-shadow:4px 4px 4px 4px rgb(100, 201,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4615, 49.8103, 77.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 201, 223) }
```

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

```
.background{ background-color: rgb(100,  
201, 223) }
```

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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