

Converting Colors

XYZ(39.7908, 49.7006,
120.3213)

Have a look what the booklet for
XYZ(39.7908, 49.7006, 120.3213)
contains.

XYZ(39.4059, 49.9319, 102.1686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.4059, 49.9319,
102.1686)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBFF
RGB	0, 203, 255
RGB Percent	0%, 80%, 100%
CMY	0.9997, 0.2039, 0.0000
CMYK	1.00, 0.20, 0.00, 0.00
HSL	192°, 100%, 50%
HSV	192°, 100%, 100%
XYZ	39.4059, 49.9319, 102.1686
YIQ	148.2310, -137.6800, -26.8640

Conversions

Conversions Part 2

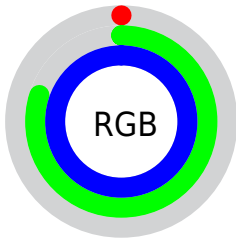
Format	Color
RYB	0, 113, 255
Decimal	52223
CIELab	76.03, -23.84, -37.13
CIELCh	76, 44.127, 237.299
Yxy	49.9319, 0.2058, 0.2607
Android (android.graphics.Color)	4278242303 (0xFF00CBFF)
YUV	148.2310, 52.6371, -129.9986
Hunter-Lab	70.6625, -24.1165, -36.2617

Details

The XYZ color **39.4059, 49.9319, 102.1686** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.4715, 23.7223, 2.3424**, and the grayscale version is **28.0825, 29.5450, 32.1745**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.9405, 25.5721, 57.2583** is the 20% darker color. If you saturate the color by 10%, you get **39.4031, 49.9262, 102.1677**, and if you desaturate by 10%, it is **41.0707, 52.6452, 102.6046**.

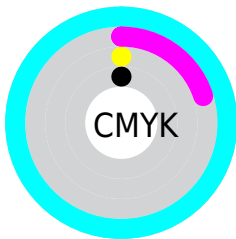
Distribution



- Red (0%)
- Green (80%)
- Blue (100%)



- Red (0%)
- Yellow (44%)
- Blue (100%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4059, 49.9319, 102.1686 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 39.4059, 49.9319, 102.1686 by changing the saturation by 10% instead.

■ 39.4059, 49.9319,
102.1686

■ 39.4059, 49.9319,
102.1686

334.7907,
386.3996, 588.4292

■ 27.2578, 35.3593,
77.4859

■ 73.5481, 90.0740,
166.2120

■ 17.9045, 23.9398,
57.1378

■ 96.2729, 116.4122,
206.4097

■ 10.9807, 15.2889,
40.7058

■ 123.2539,
147.4411, 252.6162

■ 6.1211, 9.0224,
27.7713

■ 154.8566,
183.5451, 305.2500

■ 2.9602, 4.7558,
17.9158

■ 191.4463,
225.1086, 364.7297

■ 1.1327, 2.1047,
10.7207

233.3883,

■ 0.0523, 0.6673,

272.5158, 431.4738

5.7676

281.0479,
326.1514, 505.9008

■ 0.0000, 0.0000,
2.6378

■ 0.0000, 0.0000,
0.9119

■ 39.4059, 49.9319,
102.1686

■ 39.4059, 49.9319,
102.1686

■ 39.4031, 49.9262,
102.1677

■ 41.0707, 52.6452,
102.6046

■ 43.3151, 55.7182,
103.0795

■ 46.3050, 59.2378,
103.6013

■ 50.1415, 63.2568,
104.1748

■ 54.9095, 67.8194,
104.8042

■ 60.6830, 72.9645,
105.4930

■ 67.5286, 78.7267,
106.2444

■ 75.5067, 85.1379,
107.0614

■ 84.6735, 92.2276,
107.9467

Harmonies

Analogous

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



34.7297, 49.9319, 77.9379



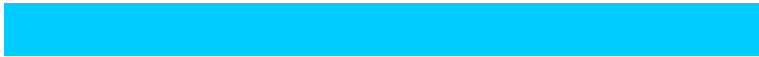
39.4059, 49.9319, 102.1686



46.7164, 49.9319, 113.4305

Triad

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



39.4059, 49.9319, 102.1686



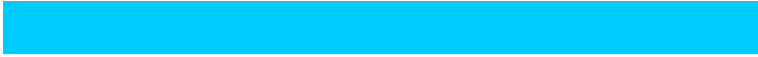
65.1030, 49.9319, 56.5329



40.5589, 49.9319, 23.1999

Complementary

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



39.4059, 49.9319, 102.1686



42.4715, 23.7223, 2.3424

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.



48.2090, 49.9319, 20.4788



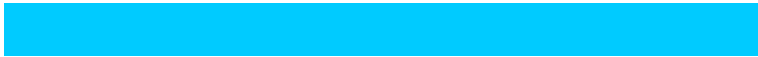
39.4059, 49.9319, 102.1686



62.9705, 49.9319, 36.1041

Square

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



39.4059, 49.9319, 102.1686



62.0736, 49.9319, 82.7400



56.5402, 49.9319, 24.4326



35.3393, 49.9319, 33.3589

Rectangle

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



39.4059, 49.9319, 102.1686



52.3261, 49.9319, 110.1937



56.5402, 49.9319, 24.4326



42.9031, 49.9319, 21.5406

Sweetspot

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



39.4074, 49.9336, 102.1689



67.5077, 78.7096, 106.2422



36.3597, 71.7600, 15.0733



13.8031, 16.3107, 22.6707



0.0000, 0.0000, 0.0000



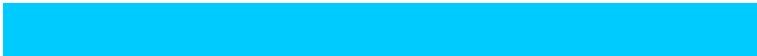
20.3446, 21.4041, 23.3091

Same Dimension

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



39.4074, 49.9336, 102.1689



39.4031, 49.9262, 102.1677



20.6734, 12.4655, 95.9242



18.2217, 19.8151, 23.1143



20.6989, 26.3074, 53.4215



2.0911, 2.7129, 5.2267

Inverse Universe

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



52.0206, 25.5735, 58.6959



52.0181, 25.5712, 58.6865



57.2648, 53.3089, 7.2735



18.6246, 18.2331, 21.9061



27.2360, 13.3837, 30.9572



2.6901, 1.3184, 3.2155

Previews

White Background



This preview shows how the XYZ color 39.4059, 49.9319, 102.1686 looks on a white background.

Color Contrast Check

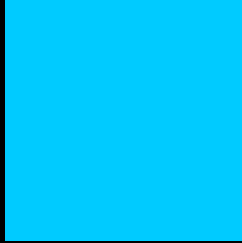
Large Text (above 18pt) WCAG AA × Fail

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 39.4059, 49.9319, 102.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

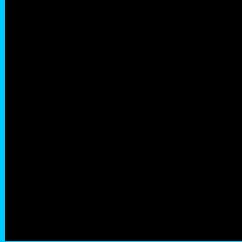
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4059, 49.9319, 102.1686

Background



This preview shows how black text looks on a background with the XYZ color 39.4059, 49.9319, 102.1686.



This preview shows how white text looks on a background with the XYZ color 39.4059, 49.9319,

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

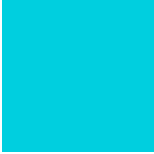
39.4059, 49.9319, 102.1686

Protanopia

49.8123, 49.2898, 90.1076

Deuteranopia

50.2947, 49.2875, 101.4704



Tritanopia

35.6321, 49.9534, 77.5760

Trichromacy



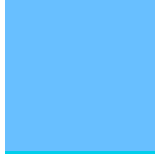
Original Color

39.4059, 49.9319, 102.1686



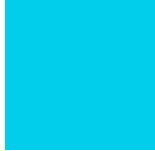
Protanomaly

41.5720, 47.1666, 94.1018



Deuteranomaly

42.3897, 47.4247, 101.5274



Tritanomaly

37.0667, 50.1408, 86.3218

Monochromacy



Original Color

39.4059, 49.9319, 102.1686



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

27.5884, 33.9728, 52.1171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4059, 49.9319, 102.1686 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(0, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 255)  
}
```

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(0, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.4059, 49.9319, 102.1686 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(0, 203, 255) }
```


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

```
.border{ border-color:rgb(0, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4059, 49.9319, 102.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 255) }
```

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

```
.background{ background-color: rgb(0, 203,  
255) }
```

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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