

Converting Colors

XYZ(25.4094, 53.7284, 69.3790)

Have a look what the booklet for
XYZ(25.4094, 53.7284, 69.3790)
contains.

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Color

**XYZ(39.8054, 61.1971,
70.0359)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6D1
RGB	0, 230, 209
RGB Percent	0%, 90%, 82%
CMY	0.9998, 0.0980, 0.1804
CMYK	1.00, 0.00, 0.09, 0.10
HSL	175°, 100%, 45%
HSV	175°, 100%, 90%
XYZ	39.8054, 61.1971, 70.0359
YIQ	158.8360, -130.3390, -55.2910

Conversions

Conversions Part 2

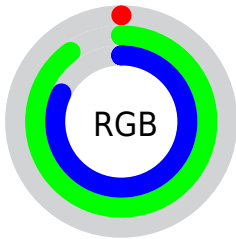
Format	Color
RYB	0, 121, 230
Decimal	59089
CIELab	82.48, -50.42, -2.84
CIELCh	82, 50.497, 183.227
Yxy	61.1971, 0.2327, 0.3578
Android (android.graphics.Color)	4278249169 (0xFF00E6D1)
YUV	158.8360, 24.7309, -139.2992
Hunter-Lab	78.2286, -46.0730, 1.6793

Details

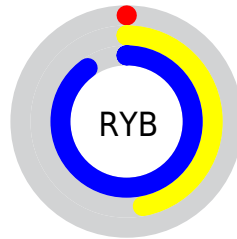
The XYZ color **39.8054, 61.1971, 70.0359** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.7705, 16.8788, 2.2424**, and the grayscale version is **32.8196, 34.5288, 37.6018**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.8600, 32.2537, 36.1365** is the 20% darker color. If you saturate the color by 10%, you get **39.8062, 61.1989, 70.0348**, and if you desaturate by 10%, it is **40.4228, 61.4866, 71.4329**.

Distribution



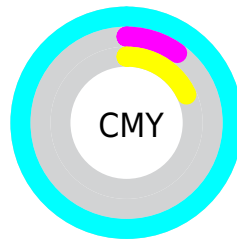
- Red (0%)
- Green (90%)
- Blue (82%)



- Red (0%)
- Yellow (47%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8054, 61.1971, 70.0359 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 39.8054, 61.1971, 70.0359 by changing the saturation by 10% instead.


 39.8054, 61.1971,
70.0359


 39.8054, 61.1971,
70.0359


336.4512,
428.9963, 479.4686


 27.5704, 44.3843,
51.0788


 74.1533, 106.5643,
120.9415

 18.1409, 30.9727,
35.8942


 96.9969, 135.8874,
153.7272


 11.1515, 20.5781,
24.0634


 124.1075,
170.1494, 191.9594

 6.2368, 12.8159,
15.1680

 155.8502,
209.7346, 236.0568

 3.0317, 7.3019,
8.7895

 192.5907,
255.0276, 286.4379

 1.1705, 3.6516,
4.5092

234.6941,

 0.0829, 1.4807,

306.4126, 343.5212

1.9086

282.5258,
364.2740, 407.7252

■ 0.0000, 0.2751,
0.4982

■ 0.0000, 0.0000,
0.0000

■ 39.8054, 61.1971,
70.0359

■ 39.8054, 61.1971,
70.0359

■ 39.8062, 61.1989,
70.0348

■ 40.4228, 61.4866,
71.4329

■ 41.4625, 61.9919,
72.8662

■ 43.0599, 62.7843,
74.3437

■ 45.2929, 63.9040,
75.8690

■ 48.2266, 65.3846,
77.4453

■ 51.9184, 67.2555,
79.0753

■ 56.4195, 69.5432,
80.7615

■ 61.7768, 72.2719,
82.5061

■ 68.0334, 75.4639,
84.3113

Harmonies

Analogous

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



41.5323, 61.1971, 43.2816



39.8054, 61.1971, 70.0359



42.4727, 61.1971, 104.8046

Triad

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



39.8054, 61.1971, 70.0359



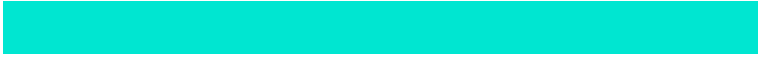
70.2977, 61.1971, 129.7584



68.0264, 61.1971, 26.4030

Complementary

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



39.8054, 61.1971, 70.0359



32.7705, 16.8788, 2.2424

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.



77.3149, 61.1971, 39.0784



39.8054, 61.1971, 70.0359



78.7361, 61.1971, 97.1595

Square

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



39.8054, 61.1971, 70.0359



59.3423, 61.1971, 145.3541



81.4494, 61.1971, 63.3426



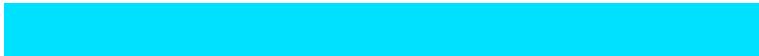
57.0054, 61.1971, 23.1585

Rectangle

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



39.8054, 61.1971, 70.0359



46.6035, 61.1971, 126.4957



81.4494, 61.1971, 63.3426



71.4983, 61.1971, 29.4574

Sweetspot

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



39.8072, 61.1994, 70.0374



71.1804, 87.8224, 102.0177



28.6523, 56.7783, 9.4504



14.6936, 18.5220, 21.6408



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.



39.8072, 61.1994, 70.0374



50.2845, 77.3298, 88.4051



23.3752, 23.8961, 78.2459



14.7477, 16.3125, 18.2021



22.5593, 34.6558, 39.7750



1.6837, 2.5676, 3.0271

Inverse Universe

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



32.7705, 16.8788, 2.2424



41.3976, 21.3230, 2.7597



36.4640, 24.4827, 2.8050



14.4302, 14.3893, 15.1997



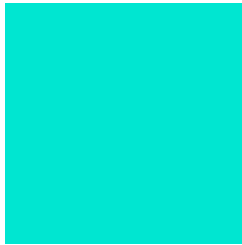
18.5708, 9.5626, 1.3691



1.3908, 0.7140, 0.1983

Previews

White Background



This preview shows how the XYZ color 39.8054, 61.1971, 70.0359 looks on a white background.

Color Contrast Check

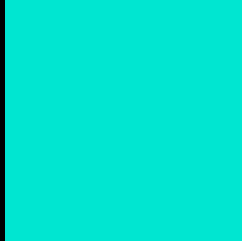
Large Text (above 18pt) WCAG AA × Fail

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 39.8054, 61.1971, 70.0359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

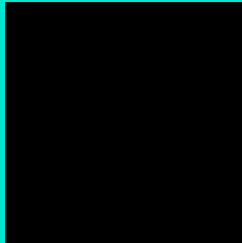
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

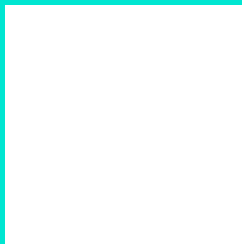
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8054, 61.1971, 70.0359

Background



This preview shows how black text looks on a background with the XYZ color 39.8054, 61.1971, 70.0359.

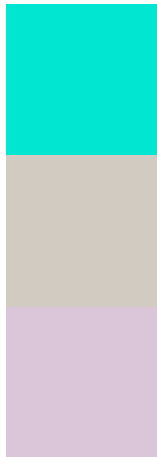


This preview shows how white text looks on a background with the XYZ color 39.8054, 61.1971,

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

39.8054, 61.1971, 70.0359

Protanopia

57.3880, 60.1622, 59.6267

Deuteranopia

61.5022, 60.2515, 73.3539



Tritanopia

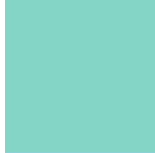
44.7902, 61.1913, 94.2444

Trichromacy



Original Color

39.8054, 61.1971, 70.0359



Protanomaly

43.7759, 56.6986, 62.6695



Deuteranomaly

45.7043, 56.3863, 71.4256



Tritanomaly

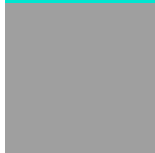
42.6204, 61.0828, 85.1451

Monochromacy



Original Color

39.8054, 61.1971, 70.0359



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.6516, 40.6390, 47.8236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8054, 61.1971, 70.0359 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, 230, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 209)  
}
```

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, 230, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 209) }
```

Border

The CSS property to change the border of an element to XYZ 39.8054, 61.1971, 70.0359 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, 230, 209) }
```


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

```
.border{ border-color:rgb(0, 230, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8054, 61.1971, 70.0359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 209) }
```

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

```
.background{ background-color: rgb(0, 230,  
209) }
```

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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