

Converting Colors

XYZ(29.0513, 49.0773, 89.9191)

Have a look what the booklet for
XYZ(29.0513, 49.0773, 89.9191)
contains.

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Color

**XYZ(39.8804, 54.8329,
90.1432)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7EF
RGB	0, 215, 239
RGB Percent	0%, 84%, 94%
CMY	0.9998, 0.1569, 0.0627
CMYK	1.00, 0.10, 0.00, 0.06
HSL	186°, 100%, 47%
HSV	186°, 100%, 94%
XYZ	39.8804, 54.8329, 90.1432
YIQ	153.4510, -135.8440, -38.1160

Conversions

Conversions Part 2

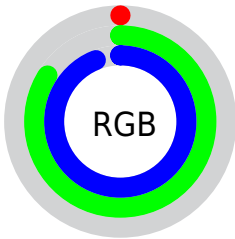
Format	Color
RYB	0, 113, 239
Decimal	55279
CIELab	78.94, -34.92, -24.10
CIELCh	79, 42.432, 214.606
Yxy	54.8329, 0.2157, 0.2966
Android (android.graphics.Color)	4278245359 (0xFF00D7EF)
YUV	153.4510, 42.1757, -134.5765
Hunter-Lab	74.0492, -33.4521, -20.3417

Details

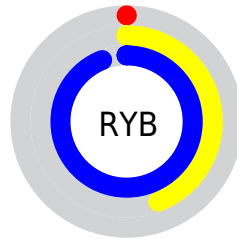
The XYZ color **39.8804, 54.8329, 90.1432** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.9253, 19.0069, 1.7770**, and the grayscale version is **30.3478, 31.9282, 34.7698**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.1180, 28.5605, 49.1994** is the 20% darker color. If you saturate the color by 10%, you get **39.8798, 54.8313, 90.1440**, and if you desaturate by 10%, it is **40.8730, 56.2598, 90.3674**.

Distribution



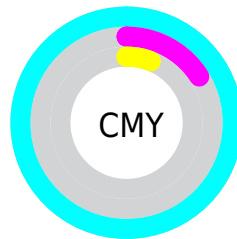
- Red (0%)
- Green (84%)
- Blue (94%)



- Red (0%)
- Yellow (44%)
- Blue (94%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (16%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8804, 54.8329, 90.1432 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 39.8804, 54.8329, 90.1432 by changing the saturation by 10% instead.


 39.8804, 54.8329,
90.1432

 39.8804, 54.8329,
90.1432


336.7623,
405.2782, 549.0787


 27.6291, 39.2680,
67.5250


 74.2669, 97.2961,
149.4745

 18.1853, 26.9682,
49.0472


 97.1327, 124.9631,
187.0248


 11.1836, 17.5494,
34.2910


 124.2675,
157.4330, 230.3895

 6.2587, 10.6270,
22.8381

 156.0365,
195.0900, 279.9872

 3.0451, 5.8166,
14.2698

 192.8052,
238.3187, 336.2364

 1.1777, 2.7339,
8.1677

234.9388,

 0.0886, 0.9944,

287.5033, 399.5557

4.1131

282.8027,
343.0284, 470.3636

■ 0.0000, 0.0000,
1.6876

■ 0.0000, 0.0000,
0.3522

■ 39.8804, 54.8329,
90.1432

■ 39.8804, 54.8329,
90.1432

■ 39.8798, 54.8313,
90.1440

■ 40.8730, 56.2598,
90.3674

■ 42.3344, 57.9406,
90.6148

■ 44.4106, 59.9519,
90.8935

■ 47.1871, 62.3376,
91.2077

■ 50.7360, 65.1350,
91.5606

■ 55.1199, 68.3766,
91.9552

■ 60.3955, 72.0913,
92.3942

■ 66.6140, 76.3060,
92.8800

■ 73.8231, 81.0450,
93.4147

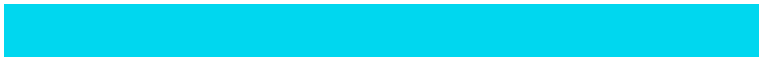
Harmonies

Analogous

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



37.5708, 54.8329, 63.5101



39.8804, 54.8329, 90.1432



45.4696, 54.8329, 112.2329

Triad

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



39.8804, 54.8329, 90.1432



68.1763, 54.8329, 81.9087



50.8260, 54.8329, 24.3534

Complementary

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



39.8804, 54.8329, 90.1432



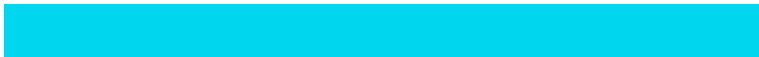
35.9253, 19.0069, 1.7770

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.



59.3826, 54.8329, 26.8169



39.8804, 54.8329, 90.1432



70.0032, 54.8329, 56.0525

Square

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



39.8804, 54.8329, 90.1432



61.8765, 54.8329, 106.6493



66.6310, 54.8329, 37.0274



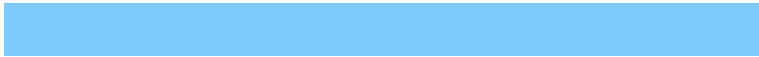
43.4418, 54.8329, 29.0635

Rectangle

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



39.8804, 54.8329, 90.1432



50.6079, 54.8329, 118.8793



66.6310, 54.8329, 37.0274



53.6558, 54.8329, 24.3841

Sweetspot

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



39.8822, 54.8349, 90.1445



69.8827, 83.4596, 107.0338



31.0321, 61.7999, 11.1548



14.3777, 17.4600, 22.8623



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.



39.8822, 54.8349, 90.1445



46.1770, 63.4739, 104.4257



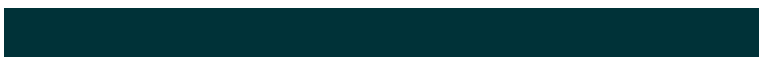
19.7309, 14.5323, 83.4274



16.1038, 17.6417, 20.2780



22.0938, 30.4119, 49.8335



1.8769, 2.6077, 4.1586

Inverse Universe

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



47.8638, 23.2588, 66.2587



55.4372, 26.9389, 76.6914



45.4839, 38.1241, 4.9632



16.3818, 16.0024, 19.5670



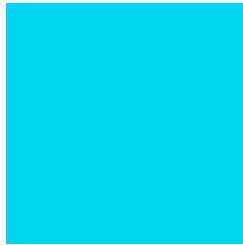
26.4776, 12.8635, 36.7610



2.2223, 1.0780, 3.1615

Previews

White Background



This preview shows how the XYZ color 39.8804, 54.8329, 90.1432 looks on a white background.

Color Contrast Check

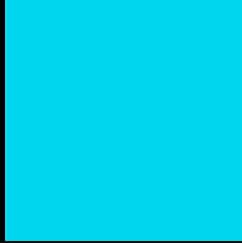
Large Text (above 18pt) WCAG AA × Fail

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 39.8804, 54.8329, 90.1432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

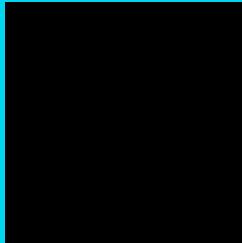
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8804, 54.8329, 90.1432

Background



This preview shows how black text looks on a background with the XYZ color 39.8804, 54.8329, 90.1432.



This preview shows how white text looks on a background with the XYZ color 39.8804, 54.8329,

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

39.8804, 54.8329, 90.1432

Protanopia

53.0432, 53.7725, 78.1045

Deuteranopia

55.1446, 53.8586, 93.8755



Tritanopia

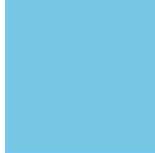
39.2638, 54.9949, 85.6365

Trichromacy



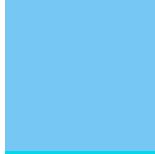
Original Color

39.8804, 54.8329, 90.1432



Protanomaly

42.5429, 50.9588, 81.7225



Deuteranomaly

44.0723, 51.1695, 92.3479



Tritanomaly

39.5513, 55.1099, 87.1500

Monochromacy



Original Color

39.8804, 54.8329, 90.1432



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.1068, 37.0527, 50.9652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8804, 54.8329, 90.1432 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, 215, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 239)  
}
```

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, 215, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 239) }
```

Border

The CSS property to change the border of an element to XYZ 39.8804, 54.8329, 90.1432 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, 215, 239) }
```


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

```
.border{ border-color:rgb(0, 215, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8804, 54.8329, 90.1432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 239) }
```

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

```
.background{ background-color: rgb(0, 215,  
239) }
```

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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