

Converting Colors

XYZ(34.3839, 50.9665, 90.3012)

Have a look what the booklet for
XYZ(34.3839, 50.9665, 90.3012)
contains.

XYZ(39.2717, 53.3782, 90.6713)	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(39.2717, 53.3782,
90.6713)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4F0
RGB	0, 212, 240
RGB Percent	0%, 83%, 94%
CMY	0.9997, 0.1686, 0.0588
CMYK	1.00, 0.12, 0.00, 0.06
HSL	187°, 100%, 47%
HSV	187°, 100%, 94%
XYZ	39.2717, 53.3782, 90.6713
YIQ	151.8040, -135.3400, -36.2360

Conversions

Conversions Part 2

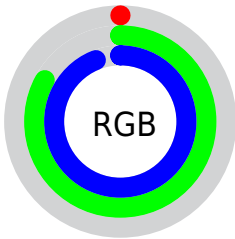
Format	Color
RYB	0, 113, 240
Decimal	54512
CIELab	78.10, -33.19, -25.93
CIElCh	78, 42.113, 217.996
Yxy	53.3782, 0.2142, 0.2912
Android (android.graphics.Color)	4278244592 (0xFF00D4F0)
YUV	151.8040, 43.4806, -133.1321
Hunter-Lab	73.0604, -31.9077, -22.4393

Details

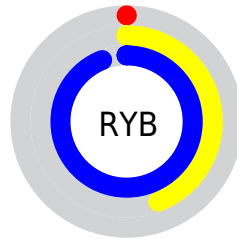
The XYZ color **39.2717, 53.3782, 90.6713** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.3530, 19.3595, 1.8228**, and the grayscale version is **29.6308, 31.1739, 33.9484**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.7087, 27.5746, 49.5784** is the 20% darker color. If you saturate the color by 10%, you get **39.2704, 53.3754, 90.6719**, and if you desaturate by 10%, it is **40.3572, 54.9872, 90.9257**.

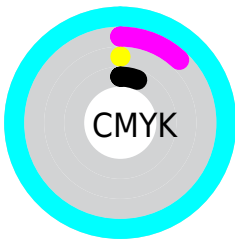
Distribution



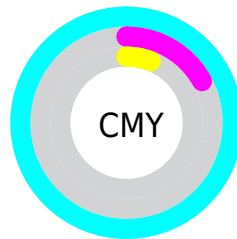
- Red (0%)
- Green (83%)
- Blue (94%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2717, 53.3782, 90.6713 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 39.2717, 53.3782, 90.6713 by changing the saturation by 10% instead.

39.2717, 53.3782,
90.6713

39.2717, 53.3782,
90.6713

334.2316,
399.7344, 550.8385

27.1528, 38.1048,
67.9607

73.3446, 95.1607,
150.2142

17.8252, 26.0640,
49.3993

96.0294, 122.4385,
187.8835

10.9235, 16.8715,
34.5685

122.9668,
154.4865, 231.3762

6.0823, 10.1429,
23.0498

154.5223,
191.6892, 281.1108

2.9363, 5.4938,
14.4246

191.0611,
234.4310, 337.5057

1.1202, 2.5398,
8.2745

232.9487,

0.0419, 0.8965,

283.0962, 400.9796

4.1808

280.5504,
338.0692, 471.9511

■ 0.0000, 0.0000,
1.7250

■ 0.0000, 0.0000,
0.3778

■ 39.2717, 53.3782,
90.6713

■ 39.2717, 53.3782,
90.6713

■ 39.2704, 53.3754,
90.6719

■ 40.3572, 54.9872,
90.9257

■ 41.9196, 56.8592,
91.2047

■ 44.1059, 59.0710,
91.5164

■ 47.0025, 61.6673,
91.8648

■ 50.6823, 64.6857,
92.2535

■ 55.2087, 68.1591,
92.6854

■ 60.6387, 72.1168,
93.1631

■ 67.0244, 76.5858,
93.6891

■ 74.4138, 81.5910,
94.2658

Harmonies

Analogous

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



36.6386, 53.3782, 64.6456



39.2717, 53.3782, 90.6713



45.0406, 53.3782, 110.9919

Triad

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



39.2717, 53.3782, 90.6713



66.8424, 53.3782, 76.7800



48.5677, 53.3782, 23.8340

Complementary

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



39.2717, 53.3782, 90.6713



36.3530, 19.3595, 1.8228

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.



56.8888, 53.3782, 25.4459



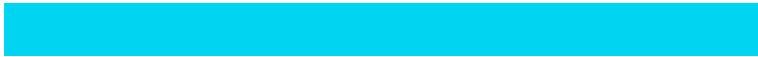
39.2717, 53.3782, 90.6713



68.0484, 53.3782, 52.0486

Square

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



39.2717, 53.3782, 90.6713



61.0981, 53.3782, 101.5805



64.2351, 53.3782, 34.4728



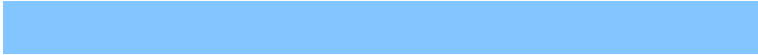
41.6143, 53.3782, 29.2513

Rectangle

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



39.2717, 53.3782, 90.6713



50.1837, 53.3782, 116.1004



64.2351, 53.3782, 34.4728



51.2890, 53.3782, 23.6071

Sweetspot

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



39.2734, 53.3801, 90.6726



69.5029, 82.7000, 106.9073



31.3718, 62.4056, 11.4947



14.2856, 17.2757, 22.8316



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.



39.2734, 53.3801, 90.6726



45.0408, 61.2017, 104.0469



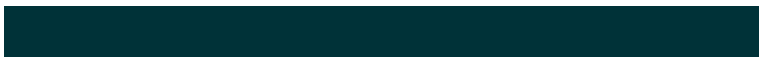
19.5603, 13.9539, 84.1016



16.0807, 17.5956, 20.2703



21.5610, 29.3462, 49.6559



1.8379, 2.5297, 4.1456

Inverse Universe

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



47.8204, 23.2807, 64.2623



54.8637, 26.7095, 73.6716



46.5304, 39.7144, 5.2153



16.3702, 15.9978, 19.5056



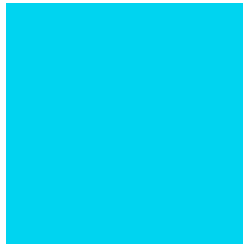
26.2086, 12.7559, 35.3447



2.2026, 1.0701, 3.0578

Previews

White Background



This preview shows how the XYZ color 39.2717, 53.3782, 90.6713 looks on a white background.

Color Contrast Check

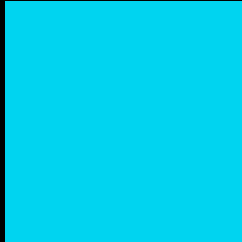
Large Text (above 18pt) WCAG AA × Fail

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 39.2717, 53.3782, 90.6713 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

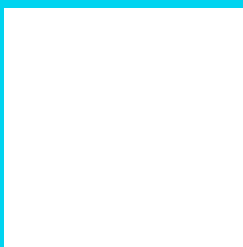
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2717, 53.3782, 90.6713

Background



This preview shows how black text looks on a background with the XYZ color 39.2717, 53.3782, 90.6713.

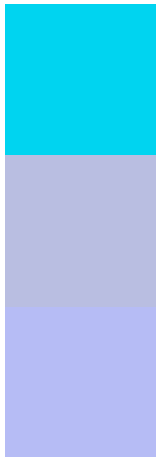


This preview shows how white text looks on a background with the XYZ color 39.2717, 53.3782,

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

39.2717, 53.3782, 90.6713

Protanopia

52.0116, 52.5774, 78.6413

Deuteranopia

53.7561, 52.5041, 93.6873



Tritanopia

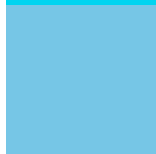
38.0772, 53.3017, 83.1443

Trichromacy



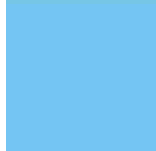
Original Color

39.2717, 53.3782, 90.6713



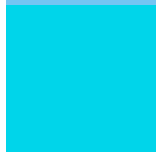
Protanomaly

41.9482, 49.9529, 82.2939



Deuteranomaly

43.3464, 50.1166, 92.1829



Tritanomaly

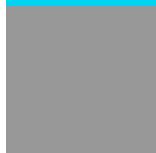
38.6455, 53.5290, 86.1372

Monochromacy



Original Color

39.2717, 53.3782, 90.6713



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.7175, 36.2742, 50.8354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2717, 53.3782, 90.6713 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, 212, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 240)  
}
```

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, 212, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 240) }
```

Border

The CSS property to change the border of an element to XYZ 39.2717, 53.3782, 90.6713 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, 212, 240) }
```


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

```
.border{ border-color:rgb(0, 212, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2717, 53.3782, 90.6713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 240) }
```

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

```
.background{ background-color: rgb(0, 212,  
240) }
```

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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