

Converting Colors

XYZ(38.8642, 51.6382, 96.3090)

Have a look what the booklet for
XYZ(38.8642, 51.6382, 96.3090)
contains.

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Color

**XYZ(39.3444, 51.8272,
95.9257)**

Conversions

Conversions Part 1

Format	Color
Hex	00D0F7
RGB	0, 208, 247
RGB Percent	0%, 82%, 97%
CMY	0.9997, 0.1843, 0.0314
CMYK	1.00, 0.16, 0.00, 0.03
HSL	189°, 100%, 48%
HSV	189°, 100%, 97%
XYZ	39.3444, 51.8272, 95.9257
YIQ	150.2540, -136.4870, -31.9670

Conversions

Conversions Part 2

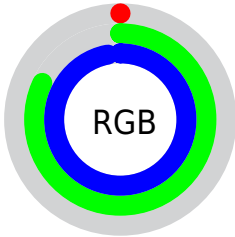
Format	Color
RYB	0, 113, 247
Decimal	53495
CIELab	77.18, -28.99, -31.08
CIELCh	77, 42.501, 226.991
Yxy	51.8272, 0.2103, 0.2770
Android (android.graphics.Color)	4278243575 (0xFF00D0F7)
YUV	150.2540, 47.6958, -131.7728
Hunter-Lab	71.9911, -28.4311, -28.6081

Details

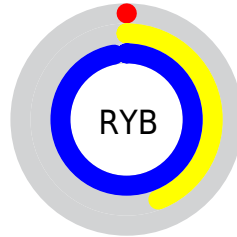
The XYZ color **39.3444, 51.8272, 95.9257** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **39.0864, 21.2301, 2.0398**, and the grayscale version is **28.9521, 30.4599, 33.1708**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **20.7952, 26.5441, 53.3177** is the 20% darker color. If you saturate the color by 10%, you get **39.3425, 51.8232, 95.9260**, and if you desaturate by 10%, it is **40.7034, 53.9581, 96.2664**.

Distribution



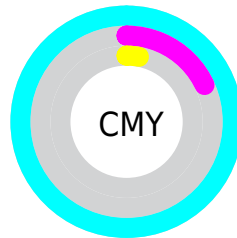
- Red (0%)
- Green (82%)
- Blue (97%)



- Red (0%)
- Yellow (44%)
- Blue (97%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3444, 51.8272, 95.9257 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 39.3444, 51.8272, 95.9257 by changing the saturation by 10% instead.


 39.3444, 51.8272,
95.9257


 39.3444, 51.8272,
95.9257


334.5345,
393.7691, 568.1841

 27.2097, 36.8674,
72.3045


 73.4549, 92.8763,
157.5494

 17.8682, 25.1048,
52.9191


 96.1613, 119.7344,
196.3891


 10.9545, 16.1552,
37.3509


 123.1224,
151.3274, 241.1387

 6.1033, 9.6340,
25.1814

 154.7034,
188.0396, 292.2167

 2.9493, 5.1570,
15.9920

 191.2698,
230.2555, 350.0417

 1.1270, 2.3397,
9.3642

233.1869,

 0.0475, 0.7946,

278.3595, 415.0323

4.8795

280.8200,
332.7359, 487.6069

■ 0.0000, 0.0000,
2.1192

■ 0.0000, 0.0000,
0.6272

■ 39.3444, 51.8272,
95.9257

■ 39.3444, 51.8272,
95.9257

■ 39.3425, 51.8232,
95.9260

■ 40.7034, 53.9581,
96.2664

■ 42.5840, 56.3919,
96.6371

■ 45.1419, 59.2101,
97.0462

■ 48.4702, 62.4610,
97.4983

■ 52.6471, 66.1849,
97.9969

■ 57.7410, 70.4175,
98.5454

■ 63.8130, 75.1905,
99.1467

■ 70.9190, 80.5330,
99.8033

■ 79.1108, 86.4717,
100.5179

Harmonies

Analogous

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



35.7668, 51.8272, 70.5564



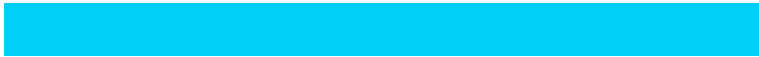
39.3444, 51.8272, 95.9257



45.8230, 51.8272, 112.2836

Triad

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



39.3444, 51.8272, 95.9257



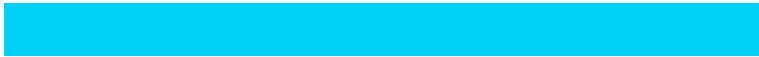
66.1223, 51.8272, 67.1254



44.8303, 51.8272, 23.5215

Complementary

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



39.3444, 51.8272, 95.9257



39.0864, 21.2301, 2.0398

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.



52.8651, 51.8272, 23.0750



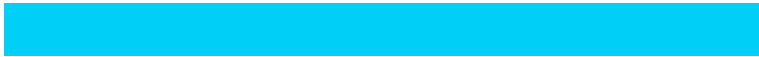
39.3444, 51.8272, 95.9257



65.7807, 51.8272, 44.3291

Square

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



39.3444, 51.8272, 95.9257



61.6034, 51.8272, 92.8259



60.7160, 51.8272, 29.6077



38.6868, 51.8272, 31.0622

Rectangle

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



39.3444, 51.8272, 95.9257



51.1881, 51.8272, 113.5804



60.7160, 51.8272, 29.6077



47.3813, 51.8272, 22.6281

Sweetspot

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



39.3461, 51.8290, 95.9270



68.5511, 80.7964, 106.5900



33.5977, 66.6570, 12.8547



14.0551, 16.8147, 22.7547



0.0000, 0.0000, 0.0000



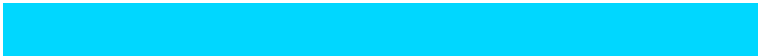
20.3446, 21.4041, 23.3091

Same Dimension

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



39.3461, 51.8290, 95.9270



42.2810, 55.6820, 103.1270



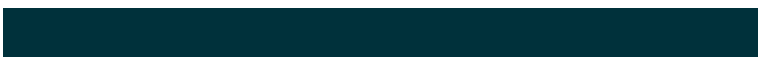
20.1571, 13.4510, 89.5307



16.7608, 18.2859, 21.1887



20.8937, 27.5812, 50.7605



1.8949, 2.5413, 4.4809

Inverse Universe

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



49.7445, 24.3301, 61.7506



53.4707, 26.1523, 66.3359



51.0294, 45.1162, 6.0208



17.0946, 16.7207, 20.2447



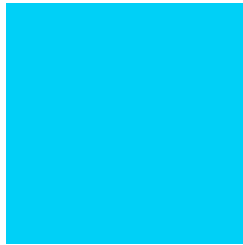
26.3507, 12.8837, 32.8848



2.3455, 1.1442, 3.0460

Previews

White Background



This preview shows how the XYZ color 39.3444, 51.8272, 95.9257 looks on a white background.

Color Contrast Check

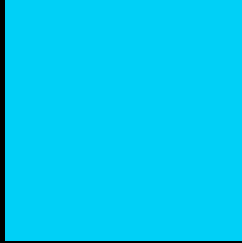
Large Text (above 18pt) WCAG AA × Fail

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 39.3444, 51.8272, 95.9257 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 39.3444, 51.8272, 95.9257

Background



This preview shows how black text looks on a background with the XYZ color 39.3444, 51.8272, 95.9257.



This preview shows how white text looks on a background with the XYZ color 39.3444, 51.8272,

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

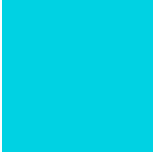
39.3444, 51.8272, 95.9257

Protanopia

50.9262, 50.9505, 83.4943

Deuteranopia

52.3632, 51.0303, 99.1855



Tritanopia

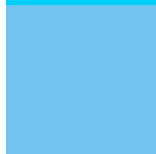
36.9117, 51.6392, 80.6950

Trichromacy



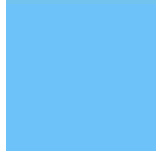
Original Color

39.3444, 51.8272, 95.9257



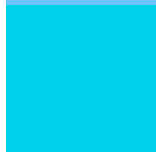
Protanomaly

41.7406, 48.7220, 87.3251



Deuteranomaly

42.9775, 48.8007, 97.5968



Tritanomaly

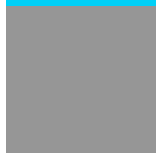
37.6517, 51.5414, 85.8059

Monochromacy



Original Color

39.3444, 51.8272, 95.9257



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

28.0392, 35.0615, 51.1887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3444, 51.8272, 95.9257 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, 208, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 247)  
}
```

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, 208, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 247) }
```

Border

The CSS property to change the border of an element to XYZ 39.3444, 51.8272, 95.9257 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, 208, 247) }
```


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

```
.border{ border-color:rgb(0, 208, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3444, 51.8272, 95.9257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 247) }
```

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

```
.background{ background-color: rgb(0, 208,  
247) }
```

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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