

Converting Colors

XYZ(39.3503, 50.4733,
100.1381)

Have a look what the booklet for
XYZ(39.3503, 50.4733, 100.1381)
contains.

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Color

**XYZ(39.1636, 50.2140,
99.7236)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCFC
RGB	0, 204, 252
RGB Percent	0%, 80%, 99%
CMY	0.9997, 0.2000, 0.0118
CMYK	1.00, 0.19, 0.00, 0.01
HSL	191°, 100%, 49%
HSV	191°, 100%, 99%
XYZ	39.1636, 50.2140, 99.7236
YIQ	148.4760, -136.9920, -28.3200

Conversions

Conversions Part 2

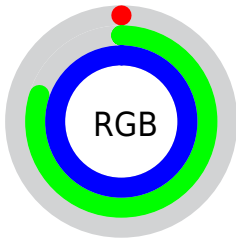
Format	Color
RYB	0, 113, 252
Decimal	52476
CIELab	76.20, -25.35, -35.26
CIELCh	76, 43.428, 234.285
Yxy	50.2140, 0.2071, 0.2655
Android (android.graphics.Color)	4278242556 (0xFF00CCFC)
YUV	148.4760, 51.0373, -130.2135
Hunter-Lab	70.8618, -25.3556, -33.8353

Details

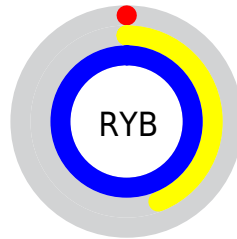
The XYZ color **39.1636, 50.2140, 99.7236** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.2059, 22.8162, 2.2345**, and the grayscale version is **28.1919, 29.6601, 32.2998**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **20.7567, 25.7528, 55.5066** is the 20% darker color. If you saturate the color by 10%, you get **39.1607, 50.2080, 99.7236**, and if you desaturate by 10%, it is **40.7311, 52.7433, 100.1302**.

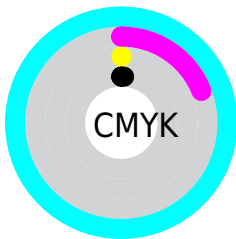
Distribution



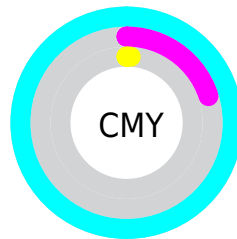
- Red (0%)
- Green (80%)
- Blue (99%)



- Red (0%)
- Yellow (44%)
- Blue (99%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1636, 50.2140, 99.7236 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 39.1636, 50.2140, 99.7236 by changing the saturation by 10% instead.

39.1636, 50.2140,
99.7236

39.1636, 50.2140,
99.7236

333.7807,
387.5022, 580.5453

27.0683, 35.5835,
75.4541

73.1806, 90.4919,
162.8259

17.7614, 24.1127,
55.4810

95.8331, 116.9080,
202.4957

10.8775, 15.4172,
39.3858

122.7354,
148.0214, 248.1361

6.0512, 9.1127,
26.7498

154.2528,
184.2166, 300.1656

2.9172, 4.8148,
17.1547

190.7506,
225.8778, 359.0027

1.1101, 2.1390,
10.1817

232.5944,

0.0336, 0.6864,

273.3896, 425.0660

5.4124

280.1493,
327.1363, 498.7740

■ 0.0000, 0.0000,
2.4283

■ 0.0000, 0.0000,
0.8018

■ 39.1636, 50.2140,
99.7236

■ 39.1636, 50.2140,
99.7236

■ 39.1607, 50.2080,
99.7236

■ 40.7311, 52.7433,
100.1302

■ 42.8568, 55.6123,
100.5719

■ 45.7030, 58.9057,
101.0576

■ 49.3676, 62.6747,
101.5920

■ 53.9329, 66.9620,
102.1789

■ 59.4708, 71.8053,
102.8218

■ 66.0459, 77.2380,
103.5239

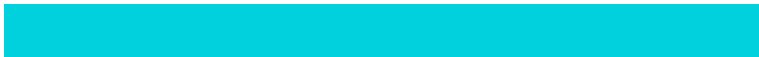
■ 73.7170, 83.2911,
104.2880

■ 82.5383, 89.9929,
105.1166

Harmonies

Analogous

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



34.8386, 50.2140, 75.2519



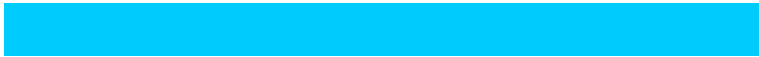
39.1636, 50.2140, 99.7236



46.1857, 50.2140, 112.4799

Triad

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



39.1636, 50.2140, 99.7236



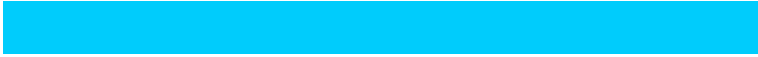
65.0495, 50.2140, 59.2591



41.5768, 50.2140, 23.1567

Complementary

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



39.1636, 50.2140, 99.7236



41.2059, 22.8162, 2.2345

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.



49.3020, 50.2140, 21.1095



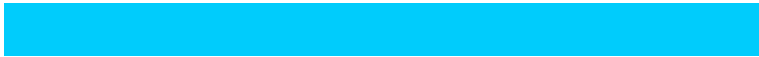
39.1636, 50.2140, 99.7236



63.4563, 50.2140, 38.2384

Square

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



39.1636, 50.2140, 99.7236



61.5910, 50.2140, 85.2256



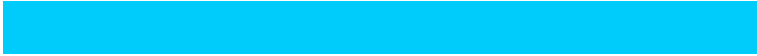
57.4555, 50.2140, 25.7655



36.1170, 50.2140, 32.4665

Rectangle

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



39.1636, 50.2140, 99.7236



51.6926, 50.2140, 110.6095



57.4555, 50.2140, 25.7655



43.9694, 50.2140, 21.7321

Sweetspot

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



39.1653, 50.2157, 99.7249



67.8102, 79.3146, 106.3430



35.3102, 69.8214, 14.2281



13.8761, 16.4567, 22.6951



0.0000, 0.0000, 0.0000



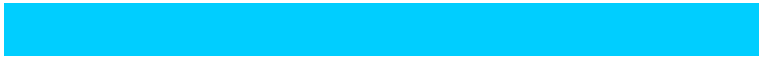
20.3446, 21.4041, 23.3091

Same Dimension

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



39.1653, 50.2157, 99.7249



40.2213, 51.5625, 102.4404



20.4299, 12.7449, 93.4797



17.4683, 19.0134, 22.1346



20.5026, 26.3608, 51.9811



1.9687, 2.5811, 4.8376

Inverse Universe

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



51.0456, 25.0572, 59.2744



52.4310, 25.7364, 60.8612



54.9413, 50.2870, 6.8129



17.8429, 17.4645, 21.0284



26.6408, 13.0720, 31.1465



2.5026, 1.2248, 3.0703

Previews

White Background



This preview shows how the XYZ color 39.1636, 50.2140, 99.7236 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 39.1636, 50.2140, 99.7236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

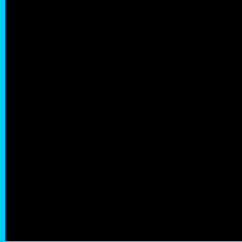
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.1636, 50.2140, 99.7236

Background



This preview shows how black text looks on a background with the XYZ color 39.1636, 50.2140, 99.7236.



This preview shows how white text looks on a background with the XYZ color 39.1636, 50.2140,

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

39.1636, 50.2140, 99.7236

Protanopia

49.8067, 49.3383, 87.7871

Deuteranopia

50.7075, 49.5003, 101.4897



Tritanopia

35.7674, 50.0075, 78.2883

Trichromacy



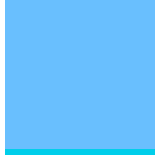
Original Color

39.1636, 50.2140, 99.7236



Protanomaly

41.2389, 47.0477, 91.7016



Deuteranomaly

42.3459, 47.4206, 100.6872



Tritanomaly

36.9226, 50.0831, 85.5629

Monochromacy



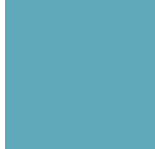
Original Color

39.1636, 50.2140, 99.7236



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.7702, 34.3540, 51.6217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1636, 50.2140, 99.7236 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, 204, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 252)  
}
```

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, 204, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 252) }
```

Border

The CSS property to change the border of an element to XYZ 39.1636, 50.2140, 99.7236 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, 204, 252) }
```


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

```
.border{ border-color:rgb(0, 204, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1636, 50.2140, 99.7236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 252) }
```

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

```
.background{ background-color: rgb(0, 204,  
252) }
```

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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