

Converting Colors

XYZ(31.2452, 38.3952,
162.9926)

Have a look what the booklet for
XYZ(31.2452, 38.3952, 162.9926)
contains.

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Color

**XYZ(35.3990, 41.9179,
100.8330)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9FF
RGB	0, 185, 255
RGB Percent	0%, 73%, 100%
CMY	0.9997, 0.2745, 0.0000
CMYK	1.00, 0.27, 0.00, 0.00
HSL	196°, 100%, 50%
HSV	196°, 100%, 100%
XYZ	35.3990, 41.9179, 100.8330
YIQ	137.6650, -132.7300, -17.4500

Conversions

Conversions Part 2

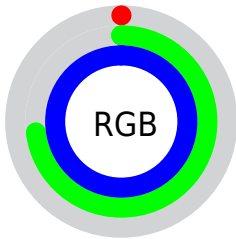
Format	Color
RYB	0, 107, 255
Decimal	47615
CIELab	70.81, -14.46, -45.26
CIELCh	71, 47.518, 252.283
Yxy	41.9179, 0.1987, 0.2353
Android (android.graphics.Color)	4278237695 (0xFF00B9FF)
YUV	137.6650, 57.8462, -120.7322
Hunter-Lab	64.7440, -15.7066, -47.0180

Details

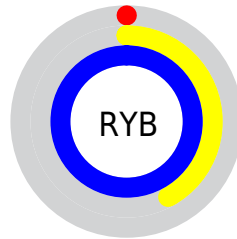
The XYZ color **35.3990, 41.9179, 100.8330** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **43.4356, 25.6505, 2.6641**, and the grayscale version is **23.8628, 25.1056, 27.3400**.

A 20% lighter version of the original color is **56.3153, 73.6413, 105.8538**, and **18.4443, 20.5797, 56.4262** is the 20% darker color. If you saturate the color by 10%, you get **35.3947, 41.9093, 100.8316**, and if you desaturate by 10%, it is **37.3159, 45.1351, 101.3529**.

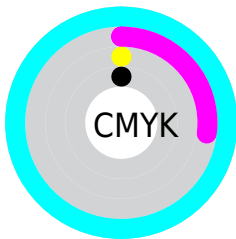
Distribution



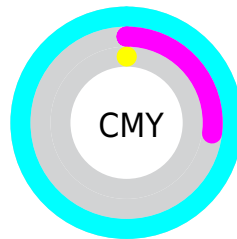
- Red (0%)
- Green (73%)
- Blue (100%)



- Red (0%)
- Yellow (42%)
- Blue (100%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3990, 41.9179, 100.8330 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 35.3990, 41.9179, 100.8330 by changing the saturation by 10% instead.

■ 35.3990, 41.9179,
100.8330

■ 35.3990, 41.9179,
100.8330

317.8033,
354.1425, 584.1295

■ 24.1383, 29.0370,
76.3756

■ 67.4334, 78.0754,
164.3633

■ 15.5616, 19.1088,
56.2321

■ 88.9378, 102.1207,
204.2733

■ 9.3033, 11.7489,
39.9838

■ 114.5876,
130.6563, 250.1713

■ 4.9982, 6.5730,
27.2122

■ 144.7480,
164.0666, 302.4758

■ 2.2810, 3.1965,
17.4988

■ 179.7844,
202.7360, 361.6053

■ 0.7849, 1.2352,
10.4251

220.0622,

■ 0.0000, 0.0901,

247.0489, 427.9784

5.5724

265.9467,
297.3895, 502.0136

■ 0.0000, 0.0000,
2.5223

■ 0.0000, 0.0000,
0.8520

■ 35.3990, 41.9179,
100.8330

■ 35.3990, 41.9179,
100.8330

■ 35.3947, 41.9093,
100.8316

■ 37.3159, 45.1351,
101.3529

■ 39.8441, 48.7755,
101.9223

■ 43.1501, 52.9269,
102.5494

■ 47.3355, 57.6431,
103.2391

■ 52.4856, 62.9695,
103.9958

■ 58.6752, 68.9461,
104.8232

■ 65.9712, 75.6088,
105.7246

■ 74.4348, 82.9903,
106.7033

■ 84.1226, 91.1211,
107.7621

Harmonies

Analogous

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



29.6344, 41.9179, 81.5785



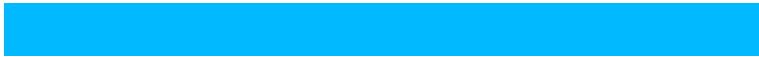
35.3990, 41.9179, 100.8330



43.1588, 41.9179, 102.6530

Triad

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



35.3990, 41.9179, 100.8330



56.5886, 41.9179, 37.0043



30.4776, 41.9179, 20.4439

Complementary

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



35.3990, 41.9179, 100.8330



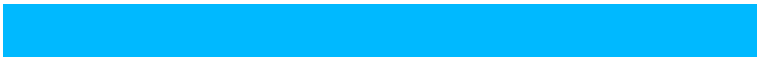
43.4356, 25.6505, 2.6641

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.



36.6991, 41.9179, 14.9806



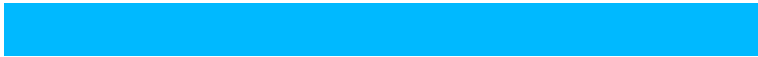
35.3990, 41.9179, 100.8330



52.1589, 41.9179, 22.1976

Square

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



35.3990, 41.9179, 100.8330



56.1194, 41.9179, 60.1888



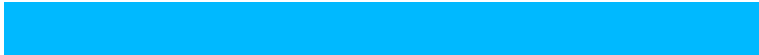
44.6414, 41.9179, 15.4939



27.0619, 41.9179, 33.6501

Rectangle

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



35.3990, 41.9179, 100.8330



48.5106, 41.9179, 93.1366



44.6414, 41.9179, 15.4939



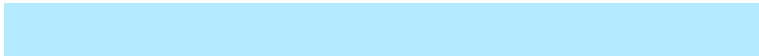
32.2724, 41.9179, 17.8729

Sweetspot

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



35.4004, 41.9192, 100.8332



65.9461, 75.5864, 105.7216



36.8062, 71.9386, 17.4241



13.4273, 15.5592, 22.5455



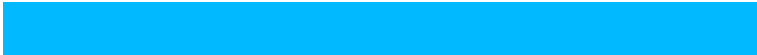
0.0000, 0.0000, 0.0000



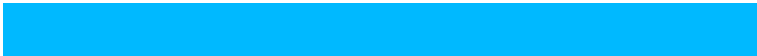
20.3446, 21.4041, 23.3091

Same Dimension

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



35.4004, 41.9192, 100.8332



35.3947, 41.9093, 100.8316



19.6440, 10.4066, 95.5811



18.1084, 19.5883, 23.0765



18.6258, 22.1611, 52.7304



1.9049, 2.3405, 5.1646

Inverse Universe

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



49.9980, 24.7646, 48.0448



49.9948, 24.7619, 48.0321



60.8720, 60.5234, 8.4762



18.5673, 18.2103, 21.6048



26.1896, 12.9651, 25.4467



2.5961, 1.2808, 2.7205

Previews

White Background



This preview shows how the XYZ color 35.3990, 41.9179, 100.8330 looks on a white background.

Color Contrast Check

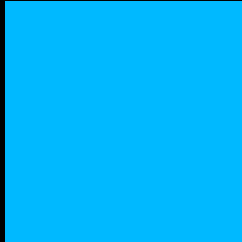
Large Text (above 18pt) WCAG AA × Fail

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 35.3990, 41.9179, 100.8330 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

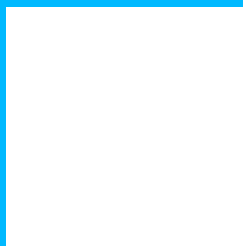
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3990, 41.9179, 100.8330

Background



This preview shows how black text looks on a background with the XYZ color 35.3990, 41.9179, 100.8330.

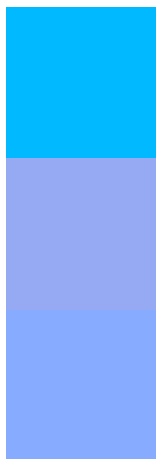


This preview shows how white text looks on a background with the XYZ color 35.3990, 41.9179,

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

35.3990, 41.9179, 100.8330

Protanopia

42.7962, 41.5498, 89.7687

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



Original Color

35.3990, 41.9179, 100.8330

Protanomaly

36.8378, 39.8082, 93.7379

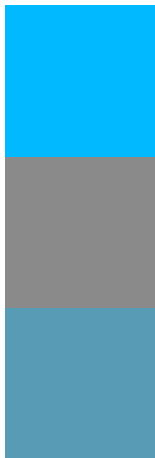
Deuteranomaly

37.4131, 40.2491, 100.4047

Tritanomaly

31.6521, 41.7770, 76.9165

Monochromacy



Original Color

35.3990, 41.9179, 100.8330

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.0863, 28.8536, 48.0159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3990, 41.9179, 100.8330 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, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 255)  
}
```

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, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.3990, 41.9179, 100.8330 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, 185, 255) }
```


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

```
.border{ border-color:rgb(0, 185, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 185, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3990, 41.9179, 100.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 255) }
```

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

```
.background{ background-color: rgb(0, 185,  
255) }
```

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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