

Converting Colors

XYZ(35.5379, 43.1214, 98.0260)

Have a look what the booklet for
XYZ(35.5379, 43.1214, 98.0260)
contains.

XYZ(35.3958, 42.9315, 97.6878)	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(35.3958, 42.9315,
97.6878)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCFB
RGB	0, 188, 251
RGB Percent	0%, 74%, 98%
CMY	0.9997, 0.2627, 0.0157
CMYK	1.00, 0.25, 0.00, 0.02
HSL	195°, 100%, 49%
HSV	195°, 100%, 98%
XYZ	35.3958, 42.9315, 97.6878
YIQ	138.9700, -132.2710, -20.2630

Conversions

Conversions Part 2

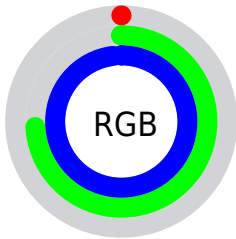
Format	Color
RYB	0, 107, 251
Decimal	48379
CIELab	71.51, -17.46, -42.02
CIELCh	72, 45.504, 247.432
Yxy	42.9315, 0.2011, 0.2439
Android (android.graphics.Color)	4278238459 (0xFF00BCFB)
YUV	138.9700, 55.2308, -121.8767
Hunter-Lab	65.5221, -18.2360, -42.5307

Details

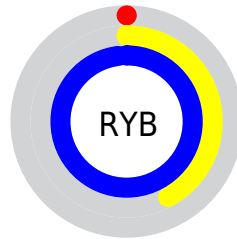
The XYZ color **35.3958, 42.9315, 97.6878** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **41.5659, 24.0725, 2.4578**, and the grayscale version is **24.3686, 25.6377, 27.9194**.

A 20% lighter version of the original color is **57.2107, 75.4321, 106.1523**, and **18.4016, 21.2230, 54.1655** is the 20% darker color. If you saturate the color by 10%, you get **35.3926, 42.9247, 97.6876**, and if you desaturate by 10%, it is **37.1774, 45.8930, 98.1664**.

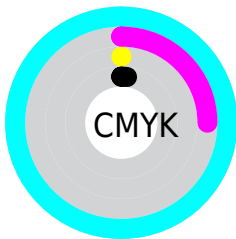
Distribution



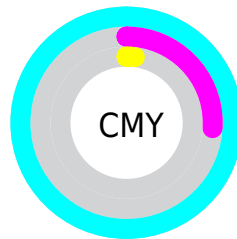
- Red (0%)
- Green (74%)
- Blue (98%)



- Red (0%)
- Yellow (42%)
- Blue (98%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (26%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3958, 42.9315, 97.6878 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 35.3958, 42.9315, 97.6878 by changing the saturation by 10% instead.

35.3958, 42.9315,
97.6878

35.3958, 42.9315,
97.6878

317.7894,
358.3300, 573.9370

24.1359, 29.8314,
73.7648

67.4285, 79.6075,
160.0001

15.5597, 19.7106,
54.1060

88.9319, 103.9521,
199.2265

9.3020, 12.1849,
38.2926

114.5806,
132.8137, 244.3912

4.9974, 6.8697,
25.9063

144.7398,
166.5767, 295.9126

2.2805, 3.3808,
16.5284

179.7749,
205.6254, 354.2094

0.7846, 1.3336,
9.7405

220.0513,

0.0000, 0.1670,

250.3443, 419.7000

5.1239

265.9344,
301.1177, 492.8031

■ 0.0000, 0.0000,
2.2601

■ 0.0000, 0.0000,
0.7087

■ 35.3958, 42.9315,
97.6878

■ 35.3958, 42.9315,
97.6878

■ 35.3926, 42.9247,
97.6876

■ 37.1774, 45.8930,
98.1664

■ 39.5364, 49.2398,
98.6881

■ 42.6340, 53.0568,
99.2616

■ 46.5676, 57.3952,
99.8916

■ 51.4190, 62.2982,
100.5823

■ 57.2600, 67.8039,
101.3372

■ 64.1547, 73.9462,
102.1594

■ 72.1617, 80.7565,
103.0519

■ 81.3353, 88.2635,
104.0174

Harmonies

Analogous

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



30.1657, 42.9315, 77.4531



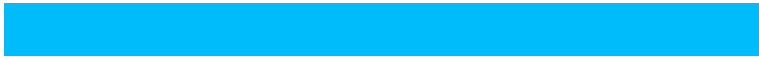
35.3958, 42.9315, 97.6878



42.7453, 42.9315, 102.4771

Triad

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



35.3958, 42.9315, 97.6878



57.2707, 42.9315, 41.4850



32.4709, 42.9315, 20.5613

Complementary

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



35.3958, 42.9315, 97.6878



41.5659, 24.0725, 2.4578

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.



38.9245, 42.9315, 16.0980



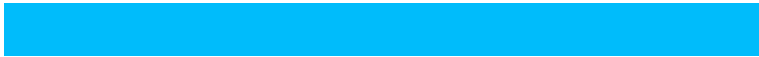
35.3958, 42.9315, 97.6878



53.6913, 42.9315, 25.4623

Square

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



35.3958, 42.9315, 97.6878



56.0179, 42.9315, 64.9281



46.7392, 42.9315, 17.5566



28.6307, 42.9315, 32.3196

Rectangle

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



35.3958, 42.9315, 97.6878



47.9938, 42.9315, 95.2291



46.7392, 42.9315, 17.5566



34.3727, 42.9315, 18.3582

Sweetspot

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



35.3973, 42.9329, 97.6889



66.4611, 76.6164, 105.8933



35.3902, 69.3522, 16.1951



13.5511, 15.8066, 22.5867



0.0000, 0.0000, 0.0000



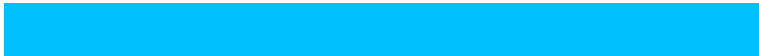
20.3446, 21.4041, 23.3091

Same Dimension

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



35.3973, 42.9329, 97.6889



36.6762, 44.4725, 101.2587



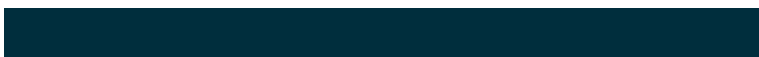
19.1803, 10.4989, 92.2832



17.3752, 18.8272, 22.1035



18.7256, 22.8067, 51.3887



1.8183, 2.2802, 4.7875

Inverse Universe

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



48.8622, 24.1419, 49.6627



50.6417, 25.0207, 51.4385



57.8251, 56.5910, 7.8775



17.7959, 17.4457, 20.7811



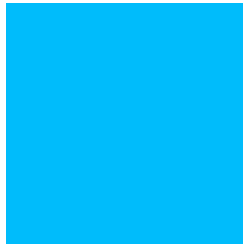
25.7438, 12.7133, 26.4231



2.4267, 1.1944, 2.6704

Previews

White Background



This preview shows how the XYZ color 35.3958, 42.9315, 97.6878 looks on a white background.

Color Contrast Check

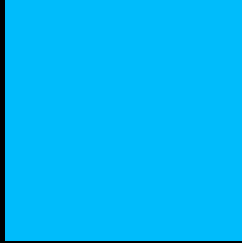
Large Text (above 18pt) WCAG AA × Fail

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 35.3958, 42.9315, 97.6878 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

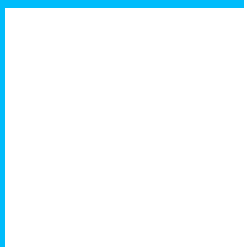
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3958, 42.9315, 97.6878

Background



This preview shows how black text looks on a background with the XYZ color 35.3958, 42.9315, 97.6878.

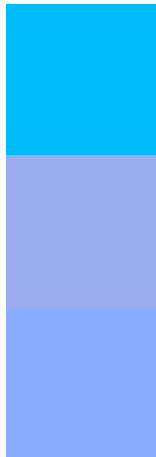


This preview shows how white text looks on a background with the XYZ color 35.3958, 42.9315,

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

35.3958, 42.9315, 97.6878

Protanopia

43.5116, 42.5481, 86.8082

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



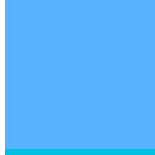
Original Color

35.3958, 42.9315, 97.6878



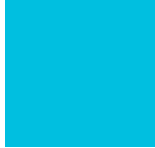
Protanomaly

37.1351, 40.9085, 90.7329



Deuteranomaly

37.9296, 41.1204, 99.7039



Tritanomaly

32.0853, 42.6434, 77.0609

Monochromacy



Original Color

35.3958, 42.9315, 97.6878



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.3197, 29.4839, 47.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3958, 42.9315, 97.6878 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, 188, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 251)  
}
```

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, 188, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 251) }
```

Border

The CSS property to change the border of an element to XYZ 35.3958, 42.9315, 97.6878 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, 188, 251) }
```


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

```
.border{ border-color:rgb(0, 188, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3958, 42.9315, 97.6878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 251) }
```

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

```
.background{ background-color: rgb(0, 188,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor