

Converting Colors

XYZ(20.8296, 32.6393,
106.8567)

Have a look what the booklet for
XYZ(20.8296, 32.6393, 106.8567)
contains.

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Color

**XYZ(34.3713, 39.8625,
100.4904)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4FF
RGB	0, 180, 255
RGB Percent	0%, 71%, 100%
CMY	0.9997, 0.2941, 0.0000
CMYK	1.00, 0.29, 0.00, 0.00
HSL	198°, 100%, 50%
HSV	198°, 100%, 100%
XYZ	34.3713, 39.8625, 100.4904
YIQ	134.7300, -131.3550, -14.8350

Conversions

Conversions Part 2

Format	Color
RYB	0, 106, 255
Decimal	46335
CIELab	69.37, -11.76, -47.53
CIELCh	69, 48.964, 256.106
Yxy	39.8625, 0.1967, 0.2281
Android (android.graphics.Color)	4278236415 (0xFF00B4FF)
YUV	134.7300, 59.2931, -118.1582
Hunter-Lab	63.1368, -13.3149, -50.1721

Details

The XYZ color **34.3713, 39.8625, 100.4904** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **43.7620, 26.3032, 2.7729**, and the grayscale version is **22.7611, 23.9464, 26.0777**.

A 20% lighter version of the original color is **54.8555, 70.7216, 105.3672**, and **17.7824, 19.2560, 56.2056** is the 20% darker color. If you saturate the color by 10%, you get **34.3667, 39.8535, 100.4889**, and if you desaturate by 10%, it is **36.3428, 43.1890, 101.0286**.

Distribution



- Red (0%)
- Green (71%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3713, 39.8625, 100.4904 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 34.3713, 39.8625, 100.4904 by changing the saturation by 10% instead.

■ 34.3713, 39.8625,
100.4904

■ 34.3713, 39.8625,
100.4904

313.3414,
345.5437, 583.0239

■ 23.3432, 27.4314,
76.0910

■ 65.8511, 74.9541,
163.8887

■ 14.9692, 17.8974,
56.0000

■ 87.0336, 98.3833,
203.7247

■ 8.8840, 10.8764,
39.7989

■ 112.3315,
126.2474, 249.5432

■ 4.7221, 5.9838,
27.0692

■ 142.1104,
158.9306, 301.7629

■ 2.1182, 2.8352,
17.3923

■ 176.7354,
196.8175, 360.8023

■ 0.6991, 1.0463,
10.3497

216.5720,

■ 0.0000, 0.0000,

240.2924, 427.0799

5.5228

261.9855,
289.7396, 501.0142

■ 0.0000, 0.0000,
2.4931

■ 0.0000, 0.0000,
0.8365

■ 34.3713, 39.8625,
100.4904

■ 34.3713, 39.8625,
100.4904

■ 34.3667, 39.8535,
100.4889

■ 36.3428, 43.1890,
101.0286

■ 38.9359, 46.9589,
101.6196

■ 42.3170, 51.2605,
102.2717

■ 46.5880, 56.1480,
102.9899

■ 51.8346, 61.6674,
103.7788

■ 58.1316, 67.8589,
104.6420

■ 65.5464, 74.7589,
105.5830

■ 74.1402, 82.4007,
106.6051

■ 83.9697, 90.8151,
107.7111

Harmonies

Analogous

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



28.3398, 39.8625, 82.6978



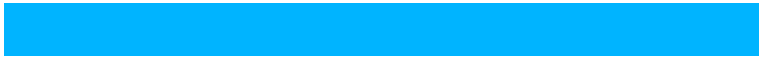
34.3713, 39.8625, 100.4904



42.2407, 39.8625, 99.7346

Triad

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



34.3713, 39.8625, 100.4904



54.3554, 39.8625, 32.4618



28.0008, 39.8625, 19.7662

Complementary

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



34.3713, 39.8625, 100.4904



43.7620, 26.3032, 2.7729

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.



33.8453, 39.8625, 13.6719



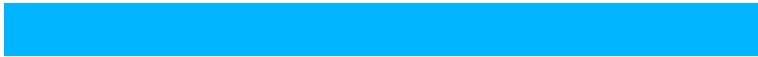
34.3713, 39.8625, 100.4904



49.3712, 39.8625, 19.0743

Square

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



34.3713, 39.8625, 100.4904



54.5479, 39.8625, 54.6570



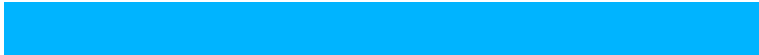
41.6370, 39.8625, 13.4724



25.0211, 39.8625, 33.8115

Rectangle

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



34.3713, 39.8625, 100.4904



47.5177, 39.8625, 88.6461



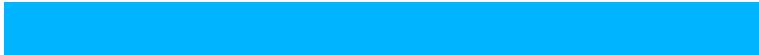
41.6370, 39.8625, 13.4724



29.6562, 39.8625, 16.9711

Sweetspot

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



34.3726, 39.8637, 100.4906



65.5207, 74.7356, 105.5798



36.9408, 71.9924, 18.1328



13.3253, 15.3551, 22.5115



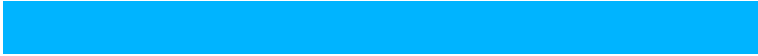
0.0000, 0.0000, 0.0000



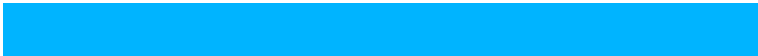
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3726, 39.8637, 100.4906



34.3667, 39.8535, 100.4889



19.4322, 9.9828, 95.5104



18.0771, 19.5257, 23.0660



18.0931, 21.0959, 52.5529



1.8565, 2.2437, 5.1485

Inverse Universe

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



49.4793, 24.5571, 45.3131



49.4759, 24.5544, 45.2999



61.8410, 62.4612, 8.7992



18.5515, 18.2039, 21.5216



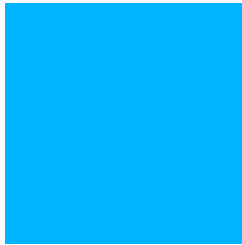
25.9208, 12.8576, 24.0311



2.5717, 1.2710, 2.5919

Previews

White Background



This preview shows how the XYZ color 34.3713, 39.8625, 100.4904 looks on a white background.

Color Contrast Check

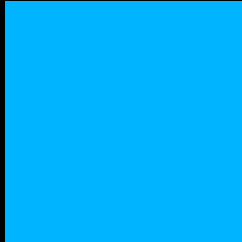
Large Text (above 18pt) WCAG AA × Fail

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 34.3713, 39.8625, 100.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

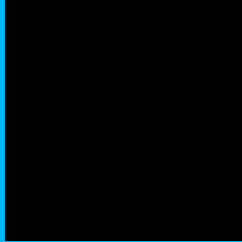
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

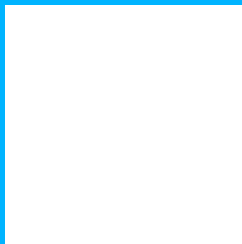
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3713, 39.8625, 100.4904

Background



This preview shows how black text looks on a background with the XYZ color 34.3713, 39.8625, 100.4904.

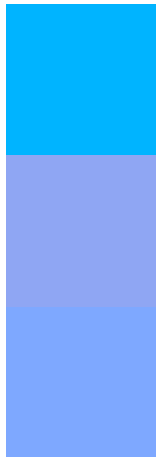


This preview shows how white text looks on a background with the XYZ color 34.3713, 39.8625,

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

34.3713, 39.8625, 100.4904

Protanopia

41.1416, 39.5831, 90.2659

Deuteranopia

40.6568, 39.6609, 100.1202



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



Original Color

34.3713, 39.8625, 100.4904

Protanomaly

35.6658, 38.0654, 93.4633

Deuteranomaly

36.1108, 38.4305, 100.1223

Tritanomaly

30.1916, 39.5014, 74.4399

Monochromacy



Original Color

34.3713, 39.8625, 100.4904

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0410, 27.3663, 46.7157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3713, 39.8625, 100.4904 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, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 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, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3713, 39.8625, 100.4904 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, 180, 255) }
```


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

```
.border{ border-color:rgb(0, 180, 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, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3713, 39.8625, 100.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 255) }
```

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

```
.background{ background-color: rgb(0, 180,  
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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