

Converting Colors

XYZ(34.3975, 39.3007,
100.3806)

Have a look what the booklet for
XYZ(34.3975, 39.3007, 100.3806)
contains.

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Color

**XYZ(34.3964, 39.2804,
100.3767)**

Conversions

Conversions Part 1

Format	Color
Hex	1AB2FF
RGB	26, 178, 255
RGB Percent	10%, 70%, 100%
CMY	0.8979, 0.3020, 0.0000
CMYK	0.90, 0.30, 0.00, 0.00
HSL	200°, 100%, 55%
HSV	200°, 90%, 100%
XYZ	34.3964, 39.2804, 100.3767
YIQ	141.3300, -115.3090, -8.2770

Conversions

Conversions Part 2

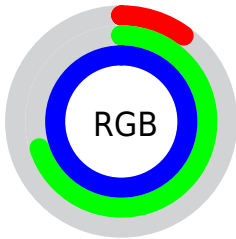
Format	Color
R _Y B	26, 117, 255
Decimal	1749759
CIE Lab	68.95, -9.87, -48.18
CIE LCh	69, 49.178, 258.422
Yxy	39.2804, 0.1976, 0.2257
Android (android.graphics.Color)	4279939839 (0xFF1AB2FF)
YUV	141.3300, 56.0393, -101.1444
Hunter-Lab	62.6741, -11.7164, -51.0850

Details

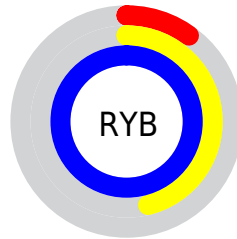
The XYZ color **34.3964, 39.2804, 100.3767** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **46.2807, 31.0424, 4.5320**, and the grayscale version is **25.2710, 26.5871, 28.9533**.

A 20% lighter version of the original color is **54.9440, 69.9172, 105.2073**, and **17.6539, 18.9989, 56.1628** is the 20% darker color. If you saturate the color by 10%, you get **32.3242, 35.7583, 99.8061**, and if you desaturate by 10%, it is **37.1233, 43.2994, 101.0088**.

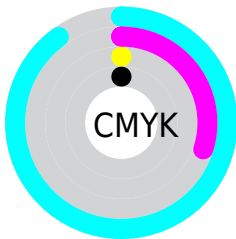
Distribution



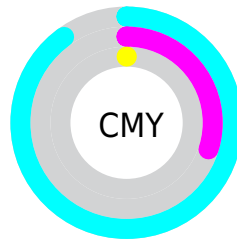
- Red (10%)
- Green (70%)
- Blue (100%)



- Red (10%)
- Yellow (46%)
- Blue (100%)



- Cyan (90%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3964, 39.2804, 100.3767 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 34.3964, 39.2804, 100.3767 by changing the saturation by 10% instead.

■ 34.3964, 39.2804,
100.3767

■ 34.3964, 39.2804,
100.3767

313.4509,
343.0812, 582.6567

■ 23.3626, 26.9779,
75.9965

■ 65.8898, 74.0665,
163.7311

■ 14.9837, 17.5566,
55.9230

■ 87.0802, 97.3189,
203.5425

■ 8.8942, 10.6322,
39.7376

■ 112.3868,
124.9900, 249.3347

■ 4.7288, 5.8201,
27.0218

■ 142.1750,
157.4644, 301.5262

■ 2.1221, 2.7360,
17.3570

■ 176.8102,
195.1262, 360.5357

■ 0.7012, 0.9955,
10.3247

216.6576,

■ 0.0000, 0.0000,

238.3601, 426.7815

5.5064

262.0827,
287.5502, 500.6824

■ 0.0000, 0.0000,
2.4834

■ 0.0000, 0.0000,
0.8314

■ 34.3964, 39.2804,
100.3767

■ 34.3964, 39.2804,
100.3767

■ 32.3242, 35.7583,
99.8061

■ 37.1233, 43.2994,
101.0088

■ 32.2837, 35.6874,
99.7946

■ 40.6630, 47.8980,
101.7098

■ 45.1189, 53.1329,
102.4854

■ 50.5772, 59.0510,
103.3400

■ 57.1131, 65.6938,
104.2777

■ 64.7944, 73.0987,
105.3022

■ 73.6827, 81.3000,
106.4167

■ 83.8354, 90.3297,
107.6245

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



28.2154, 39.2804, 83.7672



34.3964, 39.2804, 100.3767



42.2929, 39.2804, 98.0445

Triad

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



34.3964, 39.2804, 100.3767



53.5020, 39.2804, 30.5493



27.1750, 39.2804, 20.0771

Complementary

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



34.3964, 39.2804, 100.3767



46.2807, 31.0424, 4.5320

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.



32.7802, 39.2804, 13.5345



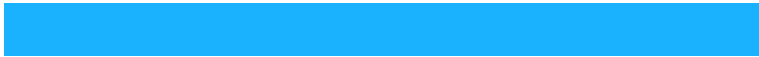
34.3964, 39.2804, 100.3767



48.2337, 39.2804, 17.9599

Square

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



34.3964, 39.2804, 100.3767



54.0949, 39.2804, 52.0119



40.4360, 39.2804, 12.9258



24.4524, 39.2804, 34.6928

Rectangle

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



34.3964, 39.2804, 100.3767



47.4847, 39.2804, 86.1778



40.4360, 39.2804, 12.9258



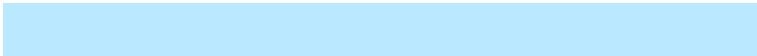
28.7454, 39.2804, 17.1180

Sweetspot

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



34.3977, 39.2816, 100.3769



67.1495, 75.3046, 105.6038



38.6031, 72.7065, 24.6630



13.7584, 15.5421, 22.5247



0.0000, 0.0000, 0.0000



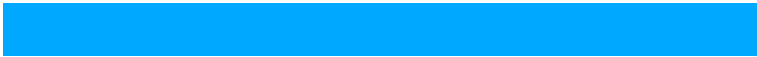
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3977, 39.2816, 100.3769



32.2837, 35.6874, 99.7946



20.3216, 11.1293, 95.6848



18.0102, 19.3919, 23.0437



17.0124, 18.9343, 52.1926



1.7574, 2.0454, 5.1155

Inverse Universe

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



49.6463, 25.2149, 44.3707



48.4245, 24.1338, 39.7631



66.1984, 70.8778, 11.1712



18.5178, 18.1904, 21.3437



25.3753, 12.6394, 21.1584



2.5216, 1.2510, 2.3284

Previews

White Background



This preview shows how the XYZ color 34.3964, 39.2804, 100.3767 looks on a white background.

Color Contrast Check

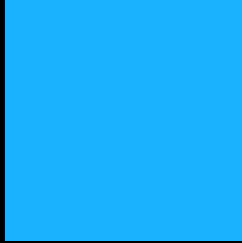
Large Text (above 18pt) WCAG AA × Fail

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 34.3964, 39.2804, 100.3767 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

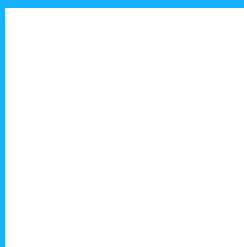
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3964, 39.2804, 100.3767

Background



This preview shows how black text looks on a background with the XYZ color 34.3964, 39.2804, 100.3767.



This preview shows how white text looks on a background with the XYZ color 34.3964, 39.2804,

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

34.3964, 39.2804, 100.3767

Protanopia

40.5891, 38.7453, 90.9273

Deuteranopia

40.0371, 39.0684, 100.0385



Tritanopia

27.9842, 39.2879, 60.7520

Trichromacy



Original Color

34.3964, 39.2804, 100.3767

Protanomaly

36.2768, 37.8059, 94.1922

Deuteranomaly

36.6374, 38.4205, 100.0926

Tritanomaly

29.9644, 39.0924, 73.6764

Monochromacy



Original Color

34.3964, 39.2804, 100.3767

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.1447, 29.1413, 48.5555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3964, 39.2804, 100.3767 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(26, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 178, 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(26, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3964, 39.2804, 100.3767 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(26, 178, 255) }
```


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

```
.border{ border-color:rgb(26, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3964, 39.2804, 100.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 178, 255) }
```

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

```
.background{ background-color: rgb(26, 178,  
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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