

Converting Colors

XYZ(21.3417, 33.5375, 94.4183)

Have a look what the booklet for
XYZ(21.3417, 33.5375, 94.4183)
contains.

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Color

**XYZ(33.4672, 39.8251,
94.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5F8
RGB	0, 181, 248
RGB Percent	0%, 71%, 97%
CMY	0.9997, 0.2902, 0.0274
CMYK	1.00, 0.27, 0.00, 0.03
HSL	196°, 100%, 49%
HSV	196°, 100%, 97%
XYZ	33.4672, 39.8251, 94.7300
YIQ	134.5190, -129.3830, -17.5350

Conversions

Conversions Part 2

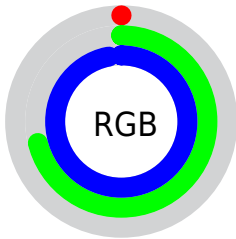
Format	Color
RYB	0, 105, 248
Decimal	46584
CIELab	69.34, -14.79, -43.78
CIELCh	69, 46.215, 251.331
Yxy	39.8251, 0.1992, 0.2370
Android (android.graphics.Color)	4278236664 (0xFF00B5F8)
YUV	134.5190, 55.9461, -117.9732
Hunter-Lab	63.1071, -15.7747, -44.8251

Details

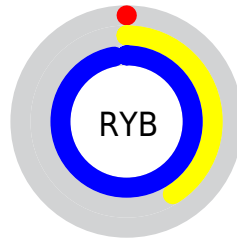
The XYZ color **33.4672, 39.8251, 94.7300** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **40.7237, 23.9800, 2.4844**, and the grayscale version is **22.6942, 23.8761, 26.0010**.

A 20% lighter version of the original color is **54.8897, 71.1679, 105.4515**, and **17.1231, 19.1999, 52.0937** is the 20% darker color. If you saturate the color by 10%, you get **33.4636, 39.8177, 94.7296**, and if you desaturate by 10%, it is **35.2613, 42.8225, 95.2148**.

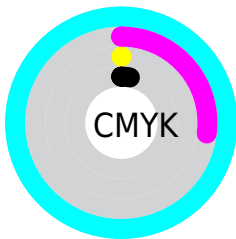
Distribution



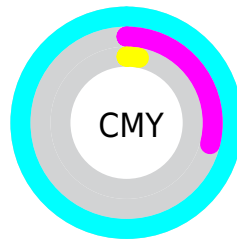
- Red (0%)
- Green (71%)
- Blue (97%)



- Red (0%)
- Yellow (41%)
- Blue (97%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (29%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4672, 39.8251, 94.7300 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 33.4672, 39.8251, 94.7300 by changing the saturation by 10% instead.


 33.4672, 39.8251,
94.7300


 33.4672, 39.8251,
94.7300


309.3776,
345.3858, 564.2625


 22.6455, 27.4022,
71.3146

 64.4541, 74.8971,
155.8839

 14.4512, 17.8755,
52.1156


 85.3500, 98.3150,
194.4595


 8.5190, 10.8607,
36.7143


 110.3347,
126.1667, 238.9256

 4.4834, 5.9732,
24.6923

 139.7736,
158.8366, 289.7008

 1.9791, 2.8288,
15.6311

 174.0319,
196.7090, 347.2035

 0.6222, 1.0430,
9.1119

213.4752,

 0.0000, 0.0000,

240.1685, 411.8523

4.7165

258.4686,
289.5993, 484.0658

■ 0.0000, 0.0000,
2.0261

■ 0.0000, 0.0000,
0.5712

■ 33.4672, 39.8251,
94.7300

■ 33.4672, 39.8251,
94.7300

■ 33.4636, 39.8177,
94.7296

■ 35.2613, 42.8225,
95.2148

■ 37.6251, 46.2118,
95.7444

■ 40.7160, 50.0757,
96.3274

■ 44.6287, 54.4646,
96.9683

■ 49.4428, 59.4207,
97.6712

■ 55.2281, 64.9810,
98.4395

■ 62.0471, 71.1792,
99.2765

■ 69.9568, 78.0458,
100.1850

■ 79.0100, 85.6091,
101.1677

Harmonies

Analogous

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



28.1188, 39.8251, 76.3290



33.4672, 39.8251, 94.7300



40.7254, 39.8251, 97.0267

Triad

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



33.4672, 39.8251, 94.7300



53.6345, 39.8251, 35.8203



29.1911, 39.8251, 19.3496

Complementary

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



33.4672, 39.8251, 94.7300



40.7237, 23.9800, 2.4844

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.



35.1181, 39.8251, 14.3723



33.4672, 39.8251, 94.7300



49.6074, 39.8251, 21.5899

Square

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



33.4672, 39.8251, 94.7300



53.0406, 39.8251, 57.7998



42.6052, 39.8251, 15.0303



25.8818, 39.8251, 31.5553

Rectangle

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



33.4672, 39.8251, 94.7300



45.7659, 39.8251, 88.4618



42.6052, 39.8251, 15.0303



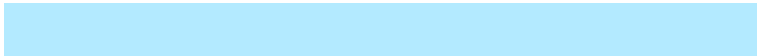
30.9084, 39.8251, 16.9888

Sweetspot

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



33.4687, 39.8264, 94.7310



66.0410, 75.7761, 105.7533



34.5576, 67.5315, 16.3970



13.4501, 15.6047, 22.5531



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.



33.4687, 39.8264, 94.7310



35.6277, 42.3754, 100.9092



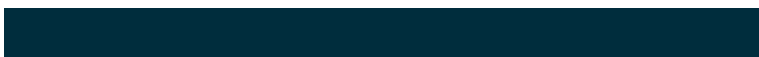
18.4536, 9.7964, 89.7260



17.3459, 18.7686, 22.0938



18.1991, 21.7538, 51.2133



1.7732, 2.1901, 4.7725

Inverse Universe

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



47.0533, 23.2946, 45.7335



50.1124, 24.8090, 48.6515



57.1585, 56.8494, 7.9626



17.7811, 17.4398, 20.7031



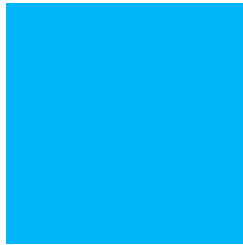
25.4781, 12.6070, 25.0239



2.4040, 1.1853, 2.5507

Previews

White Background



This preview shows how the XYZ color 33.4672, 39.8251, 94.7300 looks on a white background.

Color Contrast Check

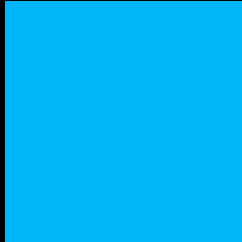
Large Text (above 18pt) WCAG AA × Fail

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 33.4672, 39.8251, 94.7300 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

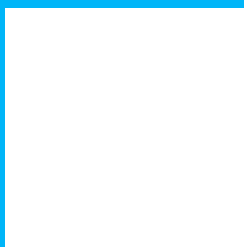
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4672, 39.8251, 94.7300

Background



This preview shows how black text looks on a background with the XYZ color 33.4672, 39.8251, 94.7300.



This preview shows how white text looks on a background with the XYZ color 33.4672, 39.8251,

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

33.4672, 39.8251, 94.7300

Protanopia

40.8092, 39.5316, 84.8364

Deuteranopia

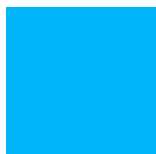
40.5914, 39.4278, 96.7377



Tritanopia

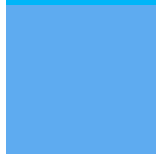
28.3129, 39.7577, 61.4401

Trichromacy



Original Color

33.4672, 39.8251, 94.7300



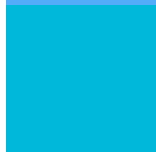
Protanomaly

34.9072, 37.7968, 87.8938



Deuteranomaly

35.5751, 38.2462, 95.9497



Tritanomaly

30.0039, 39.7599, 72.4227

Monochromacy



Original Color

33.4672, 39.8251, 94.7300



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

22.9025, 27.5695, 45.1887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4672, 39.8251, 94.7300 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, 181, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 248)  
}
```

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, 181, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 248) }
```

Border

The CSS property to change the border of an element to XYZ 33.4672, 39.8251, 94.7300 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, 181, 248) }
```


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

```
.border{ border-color:rgb(0, 181, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4672, 39.8251, 94.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 248) }
```

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

```
.background{ background-color: rgb(0, 181,  
248) }
```

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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