

Converting Colors

XYZ(20.6110, 33.0892, 95.9511)

Have a look what the booklet for
XYZ(20.6110, 33.0892, 95.9511)
contains.

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Color

**XYZ(33.7792, 39.9499,
96.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5FA
RGB	0, 181, 250
RGB Percent	0%, 71%, 98%
CMY	0.9997, 0.2902, 0.0196
CMYK	1.00, 0.28, 0.00, 0.02
HSL	197°, 100%, 49%
HSV	197°, 100%, 98%
XYZ	33.7792, 39.9499, 96.3732
YIQ	134.7470, -130.0250, -16.9130

Conversions

Conversions Part 2

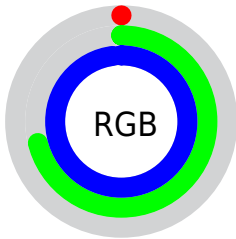
Format	Color
RYB	0, 105, 250
Decimal	46586
CIELab	69.43, -14.08, -44.73
CIELCh	69, 46.892, 252.522
Yxy	39.9499, 0.1986, 0.2349
Android (android.graphics.Color)	4278236666 (0xFF00B5FA)
YUV	134.7470, 56.8197, -118.1731
Hunter-Lab	63.2059, -15.2145, -46.1582

Details

The XYZ color **33.7792, 39.9499, 96.3732** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **41.5576, 24.5894, 2.5580**, and the grayscale version is **22.7749, 23.9610, 26.0935**.

A 20% lighter version of the original color is **55.0163, 71.2331, 105.4574**, and **17.3448, 19.2886, 53.2610** is the 20% darker color. If you saturate the color by 10%, you get **33.7757, 39.9426, 96.3728**, and if you desaturate by 10%, it is **35.6209, 43.0352, 96.8725**.

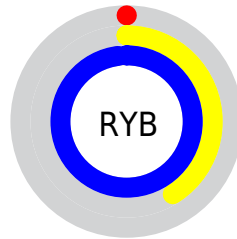
Distribution



Red (0%)

Green (71%)

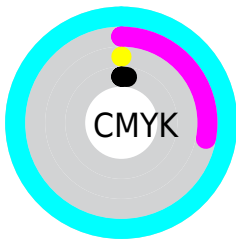
Blue (98%)



Red (0%)

Yellow (41%)

Blue (98%)

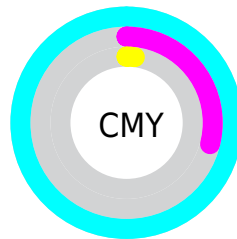


Cyan (100%)

Magenta (28%)

Yellow (0%)

Black (2%)



Cyan (100%)

Magenta (29%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7792, 39.9499, 96.3732 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 33.7792, 39.9499, 96.3732 by changing the saturation by 10% instead.

■ 33.7792, 39.9499,
96.3732

■ 33.7792, 39.9499,
96.3732

310.7497,
345.9124, 569.6481

■ 22.8861, 27.4995,
72.6752

■ 64.9367, 75.0872,
158.1722

■ 14.6297, 17.9487,
53.2202

■ 85.9319, 98.5429,
197.1104

■ 8.6445, 10.9132,
37.5897

■ 111.0251,
126.4358, 241.9657

■ 4.5653, 6.0085,
25.3650

■ 140.5818,
159.1503, 293.1566

■ 2.0266, 2.8502,
16.1277

■ 174.9672,
197.0708, 351.1018

■ 0.6489, 1.0541,
9.4593

214.5467,

■ 0.0000, 0.0000,

240.5818, 416.2198

4.9410

259.6858,
290.0675, 488.9290

■ 0.0000, 0.0000,
2.1546

■ 0.0000, 0.0000,
0.6480

■ 33.7792, 39.9499,
96.3732

■ 33.7792, 39.9499,
96.3732

■ 33.7757, 39.9426,
96.3728

■ 35.6209, 43.0352,
96.8725

■ 38.0461, 46.5254,
97.4184

■ 41.2149, 50.5050,
98.0195

■ 45.2239, 55.0253,
98.6807

■ 50.1545, 60.1295,
99.4060

■ 56.0779, 65.8557,
100.1991

■ 63.0578, 72.2380,
101.0631

■ 71.1526, 79.3078,
102.0011

■ 80.4161, 87.0942,
103.0158

Harmonies

Analogous

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



28.2524, 39.9499, 78.0510



33.7792, 39.9499, 96.3732



41.2039, 39.9499, 97.9617

Triad

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



33.7792, 39.9499, 96.3732



53.9648, 39.9499, 35.0987



28.9868, 39.9499, 19.5030

Complementary

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



33.7792, 39.9499, 96.3732



41.5576, 24.5894, 2.5580

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.



34.9121, 39.9499, 14.2419



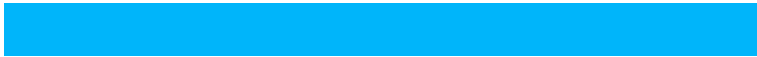
33.7792, 39.9499, 96.3732



49.6966, 39.9499, 21.0289

Square

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



33.7792, 39.9499, 96.3732



53.5555, 39.9499, 57.2061



42.4964, 39.9499, 14.6880



25.7478, 39.9499, 32.1769

Rectangle

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



33.7792, 39.9499, 96.3732



46.3158, 39.9499, 88.7701



42.4964, 39.9499, 14.6880



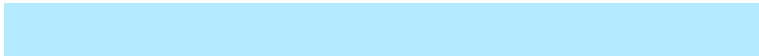
30.6943, 39.9499, 17.0317

Sweetspot

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



33.7807, 39.9512, 96.3742



65.9138, 75.5217, 105.7109



35.1916, 68.7742, 16.6863



13.4196, 15.5436, 22.5429



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.



33.7807, 39.9512, 96.3742



35.3156, 41.7511, 100.8052



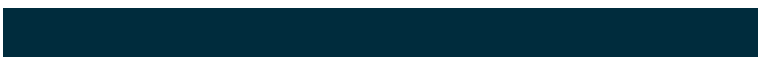
18.7892, 9.9682, 91.3770



17.3370, 18.7508, 22.0908



18.0423, 21.4402, 51.1610



1.7598, 2.1632, 4.7680

Inverse Universe

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



47.7662, 23.6620, 45.7668



49.9549, 24.7459, 47.8218



58.2055, 57.8852, 8.1073



17.7766, 17.4380, 20.6794



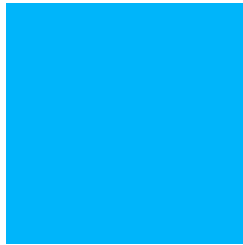
25.3990, 12.5753, 24.6071



2.3972, 1.1826, 2.5149

Previews

White Background



This preview shows how the XYZ color 33.7792, 39.9499, 96.3732 looks on a white background.

Color Contrast Check

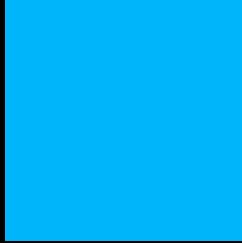
Large Text (above 18pt) WCAG AA × Fail

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 33.7792, 39.9499, 96.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

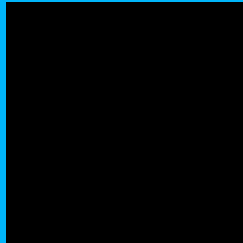
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

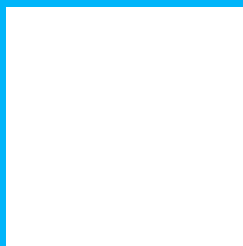
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7792, 39.9499, 96.3732

Background



This preview shows how black text looks on a background with the XYZ color 33.7792, 39.9499, 96.3732.

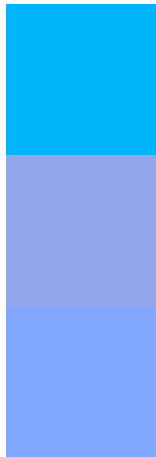


This preview shows how white text looks on a background with the XYZ color 33.7792, 39.9499,

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

33.7792, 39.9499, 96.3732

Protanopia

40.9229, 39.5565, 86.3672

Deuteranopia

40.7855, 39.7642, 98.4541



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



Original Color

33.7792, 39.9499, 96.3732

Protanomaly

35.1041, 37.8638, 89.4627

Deuteranomaly

35.9939, 38.7093, 97.6700

Tritanomaly

30.1351, 39.8124, 73.1141

Monochromacy



Original Color

33.7792, 39.9499, 96.3732

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0018, 27.6092, 45.7118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7792, 39.9499, 96.3732 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 250) }
```

Border

The CSS property to change the border of an element to XYZ 33.7792, 39.9499, 96.3732 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, 250) }
```


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

```
.border{ border-color:rgb(0, 181, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7792, 39.9499, 96.3732 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, 250) }
```

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

```
.background{ background-color: rgb(0, 181,  
250) }
```

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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