

Converting Colors

XYZ(27.6365, 35.9337, 98.6142)

Have a look what the booklet for
XYZ(27.6365, 35.9337, 98.6142)
contains.

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Color

**XYZ(33.6500, 38.9326,
98.6697)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2FD
RGB	0, 178, 253
RGB Percent	0%, 70%, 99%
CMY	0.9997, 0.3020, 0.0078
CMYK	1.00, 0.30, 0.00, 0.01
HSL	198°, 100%, 50%
HSV	198°, 100%, 99%
XYZ	33.6500, 38.9326, 98.6697
YIQ	133.3280, -130.1630, -14.4110

Conversions

Conversions Part 2

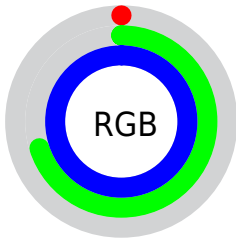
Format	Color
R _{YB}	0, 104, 253
Decimal	45821
CIE _{Lab}	68.70, -11.38, -47.50
CIE _{LCh}	69, 48.846, 256.525
Yxy	38.9326, 0.1965, 0.2273
Android (android.graphics.Color)	4278235901 (0xFF00B2FD)
YUV	133.3280, 58.9983, -116.9287
Hunter-Lab	62.3960, -12.9284, -50.0809

Details

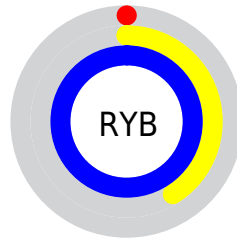
The XYZ color **33.6500, 38.9326, 98.6697** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **43.0299, 25.9253, 2.7383**, and the grayscale version is **22.2481, 23.4067, 25.4899**.

A 20% lighter version of the original color is **54.1549, 69.5104, 105.1703**, and **17.4247, 18.9072, 54.9556** is the 20% darker color. If you saturate the color by 10%, you get **33.6461, 38.9245, 98.6692**, and if you desaturate by 10%, it is **35.5946, 42.2125, 99.2011**.

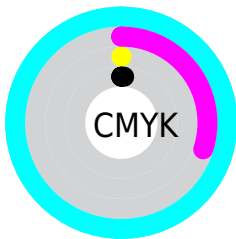
Distribution



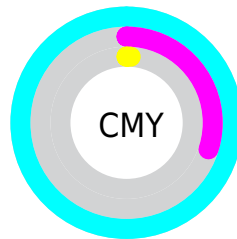
- Red (0%)
- Green (70%)
- Blue (99%)



- Red (0%)
- Yellow (41%)
- Blue (99%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (30%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6500, 38.9326, 98.6697 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 33.6500, 38.9326, 98.6697 by changing the saturation by 10% instead.

■ 33.6500, 38.9326,
98.6697

■ 33.6500, 38.9326,
98.6697

310.1820,
341.6038, 577.1293

■ 22.7865, 26.7073,
74.5793

■ 64.7369, 73.5353,
161.3637

■ 14.5557, 17.3535,
54.7687

■ 85.6910, 96.6816,
200.8045

■ 8.5925, 10.4869,
38.8192

■ 110.7394,
124.2369, 246.1991

■ 4.5313, 5.7229,
26.3124

■ 140.2473,
156.5857, 297.9662

■ 2.0069, 2.6773,
16.8296

■ 174.5802,
194.1124, 356.5242

■ 0.6378, 0.9657,
9.9524

214.1034,

■ 0.0000, 0.0000,

237.2014, 422.2917

5.2622

259.1822,
286.2371, 495.6872

■ 0.0000, 0.0000,
2.3405

■ 0.0000, 0.0000,
0.7538

■ 33.6500, 38.9326,
98.6697

■ 33.6500, 38.9326,
98.6697

■ 33.6461, 38.9245,
98.6692

■ 35.5946, 42.2125,
99.2011

■ 38.1500, 45.9299,
99.7840

■ 41.4805, 50.1718,
100.4272

■ 45.6859, 54.9914,
101.1358

■ 50.8503, 60.4337,
101.9141

■ 57.0470, 66.5385,
102.7659

■ 64.3422, 73.3414,
103.6944

■ 72.7960, 80.8751,
104.7030

■ 82.4640, 89.1699,
105.7945

Harmonies

Analogous

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



27.6970, 38.9326, 81.3564



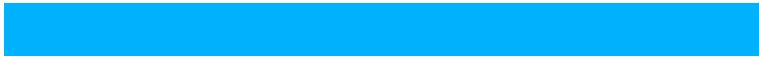
33.6500, 38.9326, 98.6697



41.3915, 38.9326, 97.6444

Triad

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



33.6500, 38.9326, 98.6697



53.1477, 38.9326, 31.4071



27.2389, 38.9326, 19.3428

Complementary

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



33.6500, 38.9326, 98.6697



43.0299, 25.9253, 2.7383

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.



32.9386, 38.9326, 13.2903



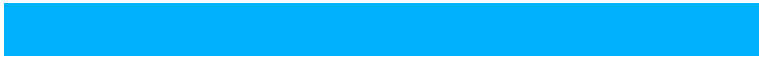
33.6500, 38.9326, 98.6697



48.1930, 38.9326, 18.4097

Square

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



33.6500, 38.9326, 98.6697



53.4085, 38.9326, 53.0958



40.5743, 38.9326, 13.0217



24.3584, 38.9326, 33.2313

Rectangle

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



33.6500, 38.9326, 98.6697



46.5665, 38.9326, 86.5840



40.5743, 38.9326, 13.0217



28.8498, 38.9326, 16.5733

Sweetspot

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



33.6515, 38.9339, 98.6707



65.4706, 74.6354, 105.5631



36.2877, 70.7161, 17.8231



13.3133, 15.3310, 22.5074



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.



33.6515, 38.9339, 98.6707



34.2475, 39.6150, 100.4492



19.0910, 9.8130, 93.8172



18.0734, 19.5183, 23.0648



18.0313, 20.9722, 52.5323



1.8508, 2.2324, 5.1466

Inverse Universe

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



48.5452, 24.0989, 44.2133



49.4158, 24.5303, 44.9829



60.7487, 61.3628, 8.6446



18.5497, 18.2032, 21.5117



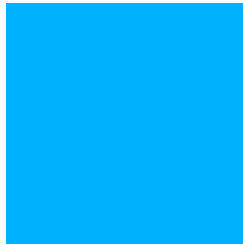
25.8896, 12.8451, 23.8668



2.5688, 1.2699, 2.5769

Previews

White Background



This preview shows how the XYZ color 33.6500, 38.9326, 98.6697 looks on a white background.

Color Contrast Check

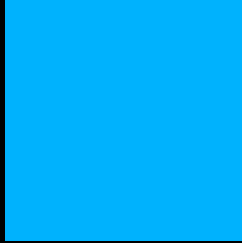
Large Text (above 18pt) WCAG AA × Fail

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 33.6500, 38.9326, 98.6697 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

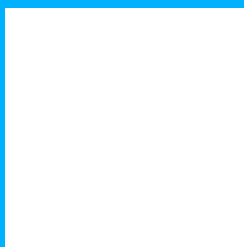
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6500, 38.9326, 98.6697

Background



This preview shows how black text looks on a background with the XYZ color 33.6500, 38.9326, 98.6697.

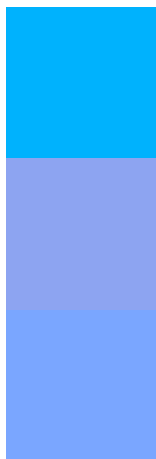


This preview shows how white text looks on a background with the XYZ color 33.6500, 38.9326,

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

33.6500, 38.9326, 98.6697

Protanopia

40.1371, 38.5645, 88.5473

Deuteranopia

39.7123, 38.6300, 99.9710



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



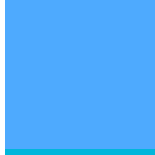
Original Color

33.6500, 38.9326, 98.6697



Protanomaly

34.8858, 37.1422, 91.7167



Deuteranomaly

35.4060, 37.5249, 99.1429



Tritanomaly

29.5141, 38.5704, 72.9071

Monochromacy



Original Color

33.6500, 38.9326, 98.6697



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

22.4296, 26.6005, 45.5472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6500, 38.9326, 98.6697 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, 178, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 253)  
}
```

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, 178, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 253) }
```

Border

The CSS property to change the border of an element to XYZ 33.6500, 38.9326, 98.6697 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, 178, 253) }
```


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

```
.border{ border-color:rgb(0, 178, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6500, 38.9326, 98.6697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 253) }
```

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

```
.background{ background-color: rgb(0, 178,  
253) }
```

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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