

Converting Colors

XYZ(33.0840, 35.7726, 98.8902)

Have a look what the booklet for
XYZ(33.0840, 35.7726, 98.8902)
contains.

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Color

**XYZ(33.1109, 35.7894,
98.9288)**

Conversions

Conversions Part 1	
Format	Color
Hex	30A8FE
RGB	48, 168, 254
RGB Percent	19%, 66%, 100%
CMY	0.8117, 0.3412, 0.0039
CMYK	0.81, 0.34, 0.00, 0.00
HSL	205°, 99%, 59%
HSV	205°, 81%, 100%
XYZ	33.1109, 35.7894, 98.9288
YIQ	141.9240, -99.1260, 1.3060

Conversions

Conversions Part 2

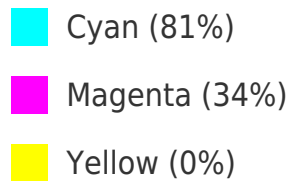
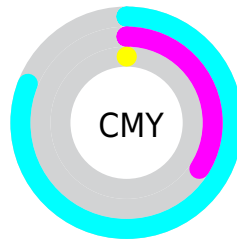
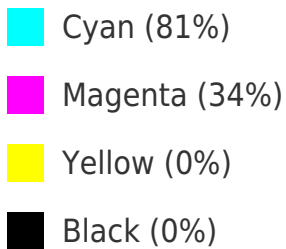
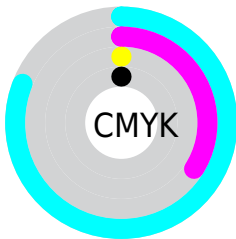
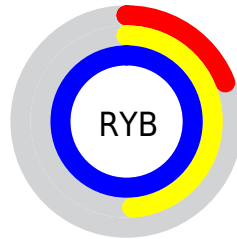
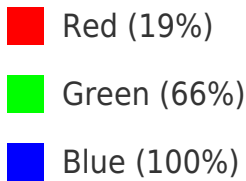
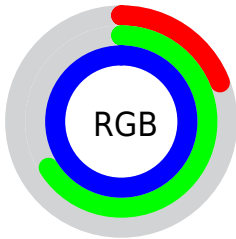
Format	Color
RYB	48, 124, 254
Decimal	3188990
CIELab	66.36, -3.18, -51.71
CIELCh	66, 51.809, 266.482
Yxy	35.7894, 0.1973, 0.2132
Android (android.graphics.Color)	4281379070 (0xFF30A8FE)
YUV	141.9240, 55.2535, -82.3713
Hunter-Lab	59.8242, -5.8981, -56.1684

Details

The XYZ color **33.1109, 35.7894, 98.9288** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.9348, 38.3397, 7.5668**, and the grayscale version is **25.5004, 26.8284, 29.2162**.

A 20% lighter version of the original color is **53.0419, 64.4310, 104.2486**, and **16.3234, 16.5220, 55.1521** is the 20% darker color. If you saturate the color by 10%, you get **30.3585, 31.5820, 98.2625**, and if you desaturate by 10%, it is **36.7104, 40.6714, 99.6822**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1109, 35.7894, 98.9288 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 33.1109, 35.7894, 98.9288 by changing the saturation by 10% instead.


 33.1109, 35.7894,
98.9288


 33.1109, 35.7894,
98.9288


307.8053,
328.0391, 577.9701

 22.3711, 24.2716,
74.7943

 63.9022, 68.7069,
161.7233

 14.2479, 15.5352,
54.9437


 84.6843, 90.8754,
201.2205

 8.3762, 9.1959,
38.9584


 109.5445,
117.3628, 246.6757

 4.3904, 4.8692,
26.4198

 138.8483,
148.5537, 298.5074

 1.9253, 2.1707,
16.9093

172.9609,
184.8324, 357.1341

 0.5915, 0.7039,
10.0086


212.2477,


 0.0000, 0.0000,


226.5832, 422.9744


5.2990

257.0740,
274.1907, 496.4469


 0.0000, 0.0000,
2.3619


 0.0000, 0.0000,
0.7656


 33.1109, 35.7894,
98.9288


 33.1109, 35.7894,
98.9288


 30.3585, 31.5820,
98.2625


 36.7104, 40.6714,
99.6822


 28.4722, 28.3211,
97.7325


 41.2584, 46.2844,
100.5259


 46.8451, 52.6806,
101.4660

 53.5478, 59.9049,
102.5072

 61.4362, 67.9983,
103.6536

 70.5737, 76.9982,
104.9092

 81.0190, 86.9395,
106.2775

 92.8269, 97.8551,
107.7621

94.8895, 99.9358,
108.0550

Harmonies

Analogous

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



26.4374, 35.7894, 86.4439



33.1109, 35.7894, 98.9288



41.0996, 35.7894, 90.9732

Triad

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



33.1109, 35.7894, 98.9288



49.1650, 35.7894, 22.8752



23.0493, 35.7894, 19.8415

Complementary

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



33.1109, 35.7894, 98.9288



49.9348, 38.3397, 7.5668

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.



27.7983, 35.7894, 11.9008



33.1109, 35.7894, 98.9288



42.9217, 35.7894, 13.1278

Square

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



33.1109, 35.7894, 98.9288



51.1529, 35.7894, 41.6453



34.9390, 35.7894, 10.0169



21.2115, 35.7894, 36.4091

Rectangle

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



33.1109, 35.7894, 98.9288



46.0003, 35.7894, 76.3370



34.9390, 35.7894, 10.0169



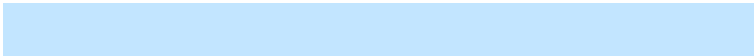
24.3193, 35.7894, 16.3586

Sweetspot

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



33.1123, 35.7906, 98.9297



68.3904, 74.9501, 105.4700



40.9541, 73.2299, 34.4737



13.9322, 15.3476, 22.4780



0.0000, 0.0000, 0.0000



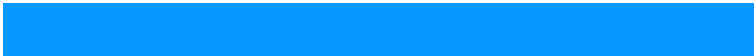
20.3446, 21.4041, 23.3091

Same Dimension

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



33.1123, 35.7906, 98.9297



29.3301, 29.6381, 98.7826



21.0102, 11.5864, 94.8957



17.8821, 19.1358, 23.0010



15.1599, 15.2293, 51.5751



1.5841, 1.6988, 5.0577

Inverse Universe

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



48.9991, 26.0136, 39.4852



46.9684, 23.6842, 31.6857



71.6439, 81.7578, 14.8031



18.4531, 18.1646, 21.0034



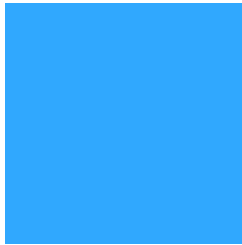
24.4402, 12.2654, 16.2345



2.4342, 1.2160, 1.8677

Previews

White Background



This preview shows how the XYZ color 33.1109, 35.7894, 98.9288 looks on a white background.

Color Contrast Check

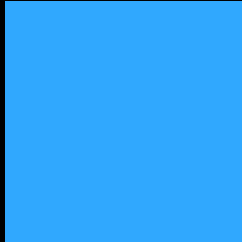
Large Text (above 18pt) WCAG AA × Fail

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 33.1109, 35.7894, 98.9288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

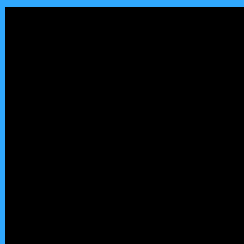
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

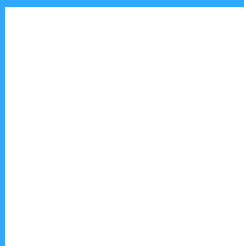
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1109, 35.7894, 98.9288

Background



This preview shows how black text looks on a background with the XYZ color 33.1109, 35.7894, 98.9288.

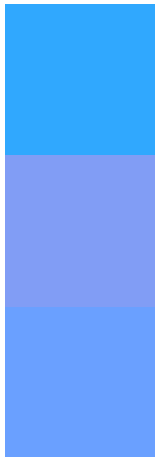


This preview shows how white text looks on a background with the XYZ color 33.1109, 35.7894,

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

33.1109, 35.7894, 98.9288

Protanopia

37.5917, 35.3736, 91.2327

Deuteranopia

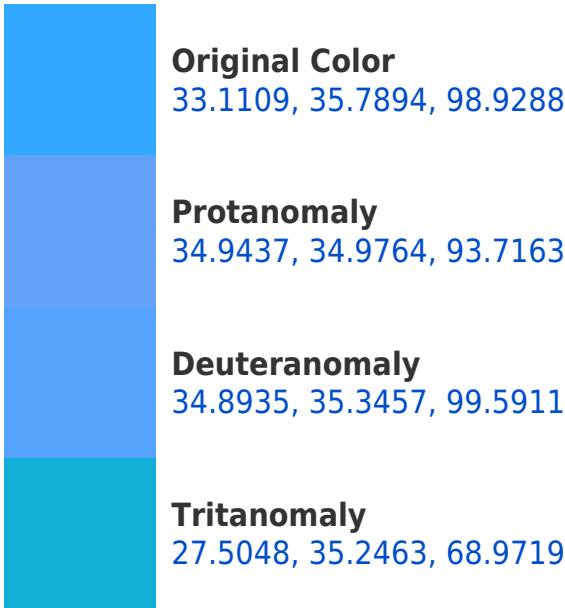
36.5647, 35.4258, 99.5184



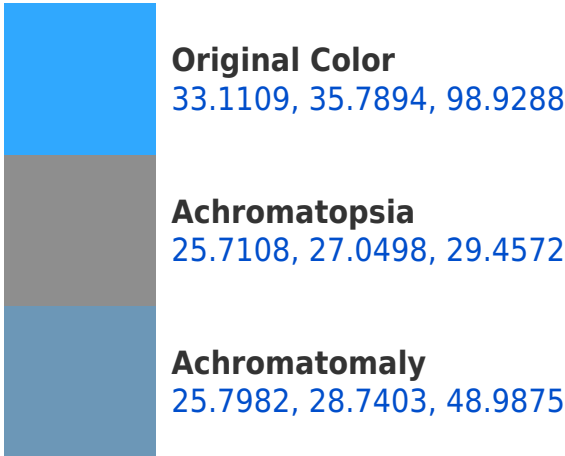
Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1109, 35.7894, 98.9288 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(48, 168, 254) looks like.

```
.text, #text, p{  
    color:rgb(48, 168, 254)  
}
```

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(48, 168, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 168, 254) }
```

Border

The CSS property to change the border of an element to XYZ 33.1109, 35.7894, 98.9288 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(48, 168, 254) }
```


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

```
.border{ border-color:rgb(48, 168, 254) }
```

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

Here you see how a box with a 4 pixel rgb(48, 168, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 168, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 168, 254);  
box-shadow:4px 4px 4px 4px rgb(48, 168,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1109, 35.7894, 98.9288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 168, 254) }
```

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

```
.background{ background-color: rgb(48, 168,  
254) }
```

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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