

Converting Colors

XYZ(33.3646, 33.8289, 96.8677)

Have a look what the booklet for
XYZ(33.3646, 33.8289, 96.8677)
contains.

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Color

**XYZ(33.3659, 33.8322,
96.8671)**

Conversions

Conversions Part 1

Format	Color
Hex	4FA0FC
RGB	79, 160, 252
RGB Percent	31%, 63%, 99%
CMY	0.6902, 0.3725, 0.0118
CMYK	0.69, 0.37, 0.00, 0.01
HSL	212°, 97%, 65%
HSV	212°, 69%, 99%
XYZ	33.3659, 33.8322, 96.8671
YIQ	146.2690, -77.8080, 11.4400

Conversions

Conversions Part 2

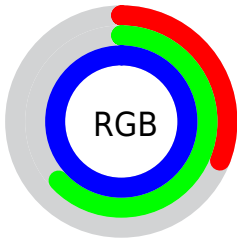
Format	Color
R _Y B	79, 134, 252
Decimal	5218556
CIE Lab	64.83, 4.31, -52.99
CIE LCh	65, 53.169, 274.654
Yxy	33.8322, 0.2034, 0.2062
Android (android.graphics.Color)	4283408636 (0xFF4FA0FC)
YUV	146.2690, 52.1254, -58.9949
Hunter-Lab	58.1655, 0.6048, -58.0241

Details

The XYZ color **33.3659, 33.8322, 96.8671** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **56.1214, 50.3894, 14.1672**, and the grayscale version is **27.2493, 28.6684, 31.2198**.

A 20% lighter version of the original color is **53.7736, 61.3329, 103.6120**, and **15.3190, 14.8774, 53.6940** is the 20% darker color. If you saturate the color by 10%, you get **29.4536, 28.5507, 96.0546**, and if you desaturate by 10%, it is **38.3252, 40.0262, 97.8020**.

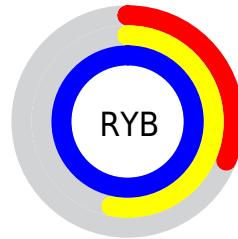
Distribution



Red (31%)

Green (63%)

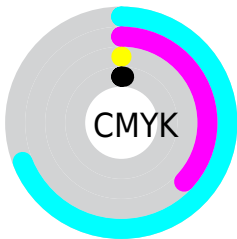
Blue (99%)



Red (31%)

Yellow (53%)

Blue (99%)

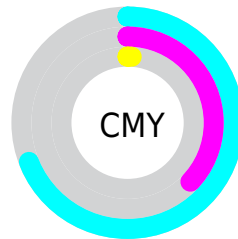


Cyan (69%)

Magenta (37%)

Yellow (0%)

Black (1%)



Cyan (69%)

Magenta (37%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3659, 33.8322, 96.8671 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 33.3659, 33.8322, 96.8671 by changing the saturation by 10% instead.

■ 33.3659, 33.8322,
96.8671

■ 33.3659, 33.8322,
96.8671

308.9312,
319.3832, 571.2615

■ 22.5675, 22.7647,
73.0845

■ 64.2972, 65.6726,
158.8593

■ 14.3934, 14.4199,
53.5528

■ 85.1608, 87.2144,
197.9059

■ 8.4783, 8.4133,
37.8535

■ 110.1102,
113.0164, 242.8776

■ 4.4569, 4.3605,
25.5681

■ 139.5107,
143.4629, 294.1930

■ 1.9637, 1.8772,
16.2779

173.7277,
178.9385, 352.2705

■ 0.6135, 0.5346,
9.5646

213.1266,

■ 0.0000, 0.0000,

219.8275, 417.5287

5.0094

258.0726,
266.5142, 490.3862

■ 0.0000, 0.0000,
2.1939

■ 0.0000, 0.0000,
0.6709

■ 33.3659, 33.8322,
96.8671

■ 33.3659, 33.8322,
96.8671

■ 29.4536, 28.5507,
96.0546

■ 38.3252, 40.0262,
97.8020

■ 26.4813, 24.1133,
95.3548

■ 44.4156, 47.1858,
98.8629

■ 24.3055, 20.4344,
94.7593

■ 51.7160, 55.3630,
100.0565

■ 24.0473, 19.9813,
94.6855

■ 60.2968, 64.6043,
101.3880

■ 70.2225, 74.9529,
102.8624

■ 81.5531, 86.4494,
104.4842

■ 94.1937, 99.0540,
106.2509

■ 94.5708, 99.8083,
106.3766

Harmonies

Analogous

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



26.2570, 33.8322, 89.5900



33.3659, 33.8322, 96.8671



41.2752, 33.8322, 83.5444

Triad

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



33.3659, 33.8322, 96.8671



45.8508, 33.8322, 17.6878



20.6022, 33.8322, 21.5757

Complementary

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



33.3659, 33.8322, 96.8671



56.1214, 50.3894, 14.1672

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.



24.4906, 33.8322, 11.9006



33.3659, 33.8322, 96.8671



38.8794, 33.8322, 10.3614

Square

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



33.3659, 33.8322, 96.8671



49.1751, 33.8322, 33.5212



30.9767, 33.8322, 8.7682



19.6017, 33.8322, 40.3656

Rectangle

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



33.3659, 33.8322, 96.8671



45.7217, 33.8322, 67.0089



30.9767, 33.8322, 8.7682



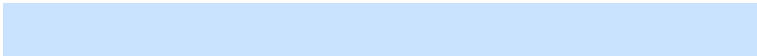
21.5808, 33.8322, 17.4333

Sweetspot

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



33.3672, 33.8333, 96.8680



69.5969, 74.3767, 105.2957



45.1401, 74.1257, 49.1644



14.2832, 15.2825, 22.4470



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.



33.3672, 33.8333, 96.8680



29.1149, 27.6839, 98.4167



23.8379, 14.4108, 93.6213



16.9530, 17.9829, 21.9628



12.6710, 10.6976, 49.3706



1.2786, 1.2009, 4.6076

Inverse Universe

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



49.2872, 28.8271, 36.2251



47.2317, 25.2136, 28.6819



75.3312, 90.3473, 20.8674



17.5828, 17.3605, 19.6589



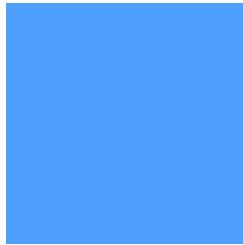
22.6878, 11.4908, 10.3302



2.1543, 1.0855, 1.2360

Previews

White Background



This preview shows how the XYZ color 33.3659, 33.8322, 96.8671 looks on a white background.

Color Contrast Check

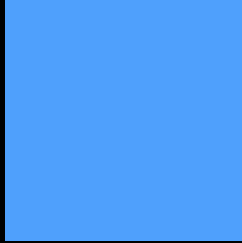
Large Text (above 18pt) WCAG AA × Fail

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 33.3659, 33.8322, 96.8671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

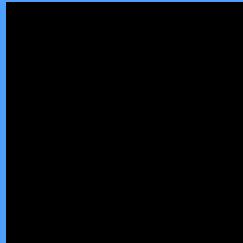
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

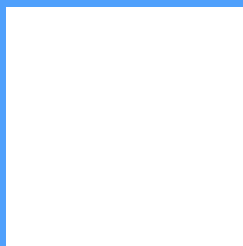
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3659, 33.8322, 96.8671

Background



This preview shows how black text looks on a background with the XYZ color 33.3659, 33.8322, 96.8671.



This preview shows how white text looks on a background with the XYZ color 33.3659, 33.8322,

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

33.3659, 33.8322, 96.8671

Protanopia

36.0518, 33.5739, 91.7690

Deuteranopia

34.8236, 33.8025, 97.6176



Tritanopia

24.3921, 33.7219, 52.2371

Trichromacy



Original Color

33.3659, 33.8322, 96.8671

Protanomaly

34.7756, 33.6184, 93.4631

Deuteranomaly

34.2709, 33.7697, 97.6404

Tritanomaly

26.9328, 33.3127, 66.6385

Monochromacy



Original Color

33.3659, 33.8322, 96.8671

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.8496, 29.7736, 50.1780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3659, 33.8322, 96.8671 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(79, 160, 252)` looks like.

```
.text, #text, p{  
    color:rgb(79, 160, 252)  
}
```

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(79, 160, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 160, 252) }
```

Border

The CSS property to change the border of an element to XYZ 33.3659, 33.8322, 96.8671 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(79, 160, 252) }
```


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

```
.border{ border-color:rgb(79, 160, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 160, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 160, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 160, 252);  
box-shadow:4px 4px 4px 4px rgb(79, 160,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3659, 33.8322, 96.8671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 160, 252) }
```

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

```
.background{ background-color: rgb(79, 160,  
252) }
```

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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