

Converting Colors

XYZ(31.7985, 33.7538, 94.3636)

Have a look what the booklet for
XYZ(31.7985, 33.7538, 94.3636)
contains.

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Color

**XYZ(31.8834, 33.9038,
94.4862)**

Conversions

Conversions Part 1

Format	Color
Hex	39A3F9
RGB	57, 163, 249
RGB Percent	22%, 64%, 98%
CMY	0.7764, 0.3608, 0.0235
CMYK	0.77, 0.35, 0.00, 0.02
HSL	207°, 94%, 60%
HSV	207°, 77%, 98%
XYZ	31.8834, 33.9038, 94.4862
YIQ	141.1100, -90.7820, 4.2740

Conversions

Conversions Part 2

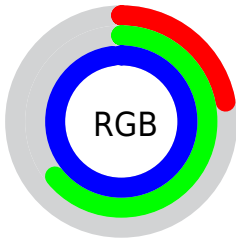
Format	Color
R _Y B	57, 125, 249
Decimal	3777529
CIE Lab	64.89, -1.23, -51.31
CIE LCh	65, 51.321, 268.621
Yxy	33.9038, 0.1989, 0.2115
Android (android.graphics.Color)	4281967609 (0xFF39A3F9)
YUV	141.1100, 53.1898, -73.7645
Hunter-Lab	58.2270, -4.1558, -55.4523

Details

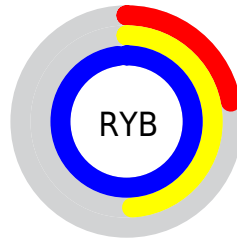
The XYZ color **31.8834, 33.9038, 94.4862** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.6308, 40.0847, 8.9942**, and the grayscale version is **25.1862, 26.4979, 28.8562**.

A 20% lighter version of the original color is **52.3273, 62.1086, 103.8380**, and **15.3086, 15.3941, 52.0337** is the 20% darker color. If you saturate the color by 10%, you get **28.9018, 29.5556, 93.8048**, and if you desaturate by 10%, it is **35.7375, 38.9619, 95.2601**.

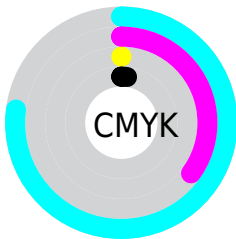
Distribution



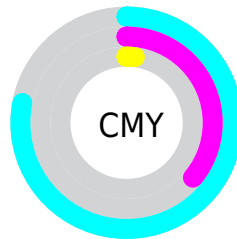
- Red (22%)
- Green (64%)
- Blue (98%)



- Red (22%)
- Yellow (49%)
- Blue (98%)



- Cyan (77%)
- Magenta (35%)
- Yellow (0%)
- Black (2%)



- Cyan (78%)
- Magenta (36%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8834, 33.9038, 94.4862 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 31.8834, 33.9038, 94.4862 by changing the saturation by 10% instead.

■ 31.8834, 33.9038,
94.4862

■ 31.8834, 33.9038,
94.4862

302.3425,
319.7029, 563.4611

■ 21.4276, 22.8197,
71.1129

■ 61.9947, 65.7840,
155.5440

■ 13.5511, 14.4604,
51.9519

■ 82.3808, 87.3490,
194.0657

■ 7.8887, 8.4416,
36.5848

■ 106.8078,
113.1763, 238.4738

■ 4.0750, 4.3788,
24.5929

■ 135.6410,
143.6505, 289.1870

■ 1.7447, 1.8876,
15.5578

169.2457,
179.1558, 346.6237

■ 0.4840, 0.5409,
9.0608

207.9873,

■ 0.0000, 0.0000,

220.0767, 411.2027

4.6835

252.2311,
266.7976, 483.3423

■ 0.0000, 0.0000,
2.0073

■ 0.0000, 0.0000,
0.5598

■ 31.8834, 33.9038,
94.4862

■ 31.8834, 33.9038,
94.4862

■ 28.9018, 29.5556,
93.8048

■ 35.7375, 38.9619,
95.2601

■ 26.6691, 25.8458,
93.2064

■ 40.5540, 44.7815,
96.1296

■ 26.1105, 24.8626,
93.0461

■ 46.4149, 51.4114,
97.1004

■ 53.3914, 58.8944,
98.1770

■ 61.5481, 67.2695,
99.3637

■ 70.9441, 76.5729,
100.6642

■ 81.6347, 86.8384,
102.0822

■ 93.2226, 97.8667,
103.6001

■ 94.0990, 99.6196,
103.8922

Harmonies

Analogous

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



25.3683, 33.9038, 83.7865



31.8834, 33.9038, 94.4862



39.5332, 33.9038, 85.4913

Triad

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



31.8834, 33.9038, 94.4862



46.3997, 33.9038, 20.6322



21.5382, 33.9038, 19.5012

Complementary

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



31.8834, 33.9038, 94.4862



49.6308, 40.0847, 8.9942

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.



25.8772, 33.9038, 11.4527



31.8834, 33.9038, 94.4862



40.2166, 33.9038, 11.9079

Square

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



31.8834, 33.9038, 94.4862



48.6471, 33.9038, 37.9047



32.5681, 33.9038, 9.3234



19.9890, 33.9038, 35.9436

Rectangle

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



31.8834, 33.9038, 94.4862



44.1254, 33.9038, 70.9408



32.5681, 33.9038, 9.3234



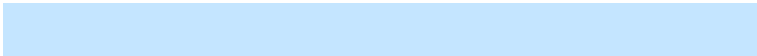
22.6826, 33.9038, 15.9973

Sweetspot

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



31.8847, 33.9049, 94.4871



68.8502, 74.8910, 105.4343



40.3132, 70.5218, 36.3792



13.9972, 15.2905, 22.4636



0.0000, 0.0000, 0.0000



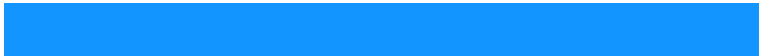
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8847, 33.9049, 94.4871



29.0077, 28.7692, 98.6319



20.9658, 12.0670, 90.8474



17.0775, 18.2319, 22.0043



14.1205, 13.5965, 49.8537



1.4136, 1.4709, 4.6526

Inverse Universe

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



47.1421, 25.7121, 37.1294



46.8603, 23.8503, 30.4712



69.8597, 80.5427, 15.7372



17.6457, 17.3856, 19.9898



23.4194, 11.7835, 14.1828



2.2225, 1.1127, 1.5949

Previews

White Background



This preview shows how the XYZ color 31.8834, 33.9038, 94.4862 looks on a white background.

Color Contrast Check

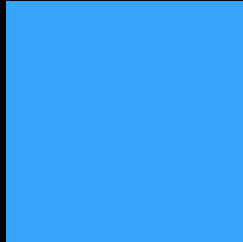
Large Text (above 18pt) WCAG AA × Fail

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 31.8834, 33.9038, 94.4862 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

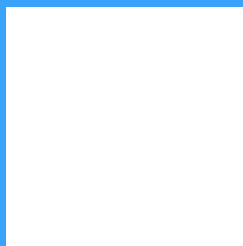
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8834, 33.9038, 94.4862

Background



This preview shows how black text looks on a background with the XYZ color 31.8834, 33.9038, 94.4862.



This preview shows how white text looks on a background with the XYZ color 31.8834, 33.9038,

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

31.8834, 33.9038, 94.4862

Protanopia

35.7259, 33.4933, 87.8010

Deuteranopia

34.9490, 33.9038, 95.9689



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



Original Color

31.8834, 33.9038, 94.4862

Protanomaly

33.6416, 33.3549, 90.2530

Deuteranomaly

33.4912, 33.6768, 95.1776

Tritanomaly

26.3168, 33.5620, 66.0638

Monochromacy



Original Color

31.8834, 33.9038, 94.4862

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.4161, 28.1052, 47.2653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8834, 33.9038, 94.4862 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(57, 163, 249)` looks like.

```
.text, #text, p{  
    color:rgb(57, 163, 249)  
}
```

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(57, 163, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 163, 249) }
```

Border

The CSS property to change the border of an element to XYZ 31.8834, 33.9038, 94.4862 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(57, 163, 249) }
```


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

```
.border{ border-color:rgb(57, 163, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 163, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 163, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 163, 249);  
box-shadow:4px 4px 4px 4px rgb(57, 163,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8834, 33.9038, 94.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 163, 249) }
```

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

```
.background{ background-color: rgb(57, 163,  
249) }
```

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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