

Converting Colors

XYZ(49.2630, 38.0150,
158.4829)

Have a look what the booklet for
XYZ(49.2630, 38.0150, 158.4829)
contains.

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Color

**XYZ(38.0034, 33.4607,
99.0633)**

Conversions

Conversions Part 1

Format	Color
Hex	8295FF
RGB	130, 149, 255
RGB Percent	51%, 58%, 100%
CMY	0.4902, 0.4157, 0.0000
CMYK	0.49, 0.42, 0.00, 0.00
HSL	231°, 100%, 75%
HSV	231°, 49%, 100%
XYZ	38.0034, 33.4607, 99.0633
YIQ	155.4030, -45.3500, 28.9380

Conversions

Conversions Part 2

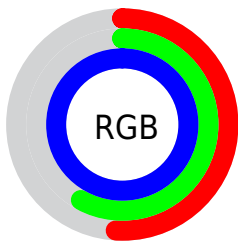
Format	Color
RYB	130, 146, 255
Decimal	8558079
CIELab	64.53, 21.23, -54.95
CIELCh	65, 58.908, 291.126
Yxy	33.4607, 0.2229, 0.1962
Android (android.graphics.Color)	4286748159 (0xFF8295FF)
YUV	155.4030, 49.1013, -22.2784
Hunter-Lab	57.8452, 16.0425, -61.0459

Details

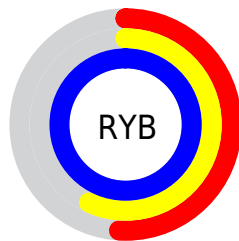
The XYZ color **38.0034, 33.4607, 99.0633** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.2663, 82.8652, 33.1489**, and the grayscale version is **31.1389, 32.7606, 35.6763**.

A 20% lighter version of the original color is **60.3922, 60.7507, 103.1508**, and **17.1807, 14.3030, 55.2813** is the 20% darker color. If you saturate the color by 10%, you get **31.4560, 25.4698, 97.8660**, and if you desaturate by 10%, it is **46.1574, 43.2237, 100.5180**.

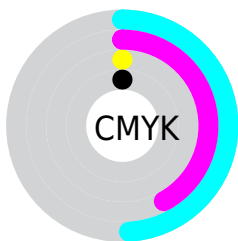
Distribution



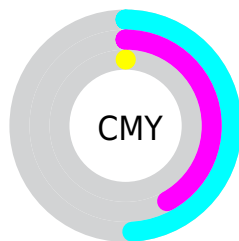
- Red (51%)
- Green (58%)
- Blue (100%)



- Red (51%)
- Yellow (57%)
- Blue (100%)



- Cyan (49%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0034, 33.4607, 99.0633 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 38.0034, 33.4607, 99.0633 by changing the saturation by 10% instead.

■ 38.0034, 33.4607,
99.0633

■ 38.0034, 33.4607,
99.0633

328.9152,
317.7206, 578.4063

■ 26.1626, 22.4796,
74.9060

■ 71.4172, 65.0941,
161.9100

■ 17.0786, 14.2097,
55.0346

■ 93.7209, 86.5153,
201.4364

■ 10.3862, 8.2667,
39.0306

■ 120.2429,
112.1852, 246.9230

■ 5.7200, 4.2661,
26.4755

151.3486,
142.4883, 298.7882

■ 2.7146, 1.8235,
16.9508

187.4033,
177.8090, 357.4506

■ 1.0047, 0.5017,
10.0378

228.7724,

■ 0.0000, 0.0000,

218.5317, 423.3287

5.3181

275.8212,
265.0408, 496.8411

■ 0.0000, 0.0000,
2.3731

■ 0.0000, 0.0000,
0.7717

■ 38.0034, 33.4607,
99.0633

■ 38.0034, 33.4607,
99.0633

■ 31.4560, 25.4698,
97.8660

■ 46.1574, 43.2237,
100.5180

■ 26.4035, 19.1397,
96.9104

■ 56.0123, 54.8542,
102.2435

■ 22.7252, 14.3512,
96.1800

■ 67.6595, 68.4447,
104.2529

■ 20.2792, 10.9672,
95.6558

■ 81.1826, 84.0805,
106.5581

■ 18.8701, 8.8137,
95.3144

95.0500, 100.0000,
108.9000

■ 18.7674, 8.6549,
95.2891

Harmonies

Analogous

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



29.3705, 33.4607, 104.1379



38.0034, 33.4607, 99.0633



46.1477, 33.4607, 73.9728

Triad

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



38.0034, 33.4607, 99.0633



43.0860, 33.4607, 10.9430



18.3382, 33.4607, 29.7378

Complementary

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



38.0034, 33.4607, 99.0633



75.2663, 82.8652, 33.1489

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.



20.7899, 33.4607, 14.3915



38.0034, 33.4607, 99.0633



34.3670, 33.4607, 7.1387

Square

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



38.0034, 33.4607, 99.0633



49.4236, 33.4607, 22.1452



26.3173, 33.4607, 8.0382



18.9648, 33.4607, 55.8322

Rectangle

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



38.0034, 33.4607, 99.0633



49.7162, 33.4607, 53.5862



26.3173, 33.4607, 8.0382



18.8110, 33.4607, 23.3972

Sweetspot

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



38.0046, 33.4618, 99.0635



72.8621, 74.4756, 105.1427



59.8423, 82.2165, 90.6836



15.0030, 15.2546, 22.4036



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.



38.0046, 33.4618, 99.0635



31.4660, 25.4821, 97.8678



42.9745, 31.9203, 98.5040



17.2258, 17.8232, 22.7823



9.8725, 4.6545, 49.8127



1.0235, 0.5776, 4.8708

Inverse Universe

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



54.6484, 39.3969, 33.1586



50.1037, 32.8149, 23.9137



67.3276, 87.3282, 34.4287



18.1219, 18.0321, 19.2589



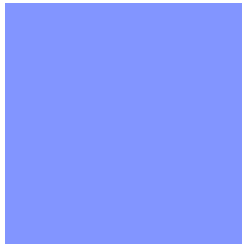
21.7714, 11.1978, 2.1805



2.1512, 1.1029, 0.3777

Previews

White Background



This preview shows how the XYZ color 38.0034, 33.4607, 99.0633 looks on a white background.

Color Contrast Check

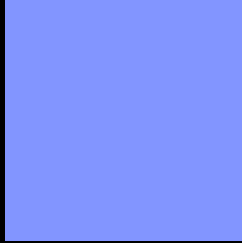
Large Text (above 18pt) WCAG AA × Fail

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 38.0034, 33.4607, 99.0633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

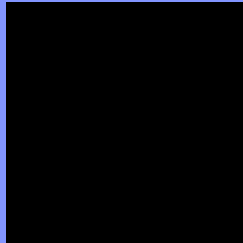
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0034, 33.4607, 99.0633

Background



This preview shows how black text looks on a background with the XYZ color 38.0034, 33.4607, 99.0633.



This preview shows how white text looks on a background with the XYZ color 38.0034, 33.4607,

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

38.0034, 33.4607, 99.0633

Protanopia

36.5115, 33.6473, 99.1780

Deuteranopia

34.7164, 33.7472, 97.6126



Tritanopia

27.8363, 33.6529, 47.6764

Trichromacy



Original Color

38.0034, 33.4607, 99.0633

Protanomaly

37.0240, 33.6695, 99.1552

Deuteranomaly

35.7517, 33.5182, 98.3513

Tritanomaly

30.9035, 33.2914, 63.8286

Monochromacy



Original Color

38.0034, 33.4607, 99.0633

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.6493, 32.6550, 53.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0034, 33.4607, 99.0633 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(130, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 149, 255)  
}
```

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(130, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.0034, 33.4607, 99.0633 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(130, 149, 255) }
```


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

```
.border{ border-color:rgb(130, 149, 255) }
```

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

Here you see how a box with a 4 pixel rgb(130, 149, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0034, 33.4607, 99.0633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 149, 255) }
```

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

```
.background{ background-color: rgb(130,  
149, 255) }
```

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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