

Converting Colors

XYZ(38.3747, 34.0177, 99.1512)

Have a look what the booklet for
XYZ(38.3747, 34.0177, 99.1512)
contains.

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Color

**XYZ(38.4767, 34.1785,
99.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	8397FF
RGB	131, 151, 255
RGB Percent	51%, 59%, 100%
CMY	0.4863, 0.4078, 0.0000
CMYK	0.49, 0.41, 0.00, 0.00
HSL	230°, 100%, 76%
HSV	230°, 49%, 100%
XYZ	38.4767, 34.1785, 99.1769
YIQ	156.8760, -45.3040, 28.1040

Conversions

Conversions Part 2

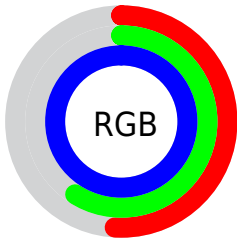
Format	Color
RYB	131, 148, 255
Decimal	8624127
CIELab	65.10, 20.29, -54.04
CIELCh	65, 57.721, 290.580
Yxy	34.1785, 0.2239, 0.1989
Android (android.graphics.Color)	4286814207 (0xFF8397FF)
YUV	156.8760, 48.3751, -22.6933
Hunter-Lab	58.4624, 15.1696, -59.6572

Details

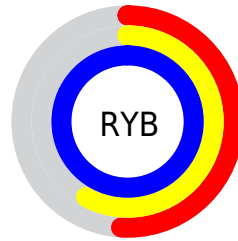
The XYZ color **38.4767, 34.1785, 99.1769** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.0466, 82.3177, 33.4084**, and the grayscale version is **31.7975, 33.4534, 36.4308**.

A 20% lighter version of the original color is **60.8676, 61.7015, 103.3092**, and **17.4453, 14.7242, 55.3487** is the 20% darker color. If you saturate the color by 10%, you get **31.8667, 26.1168, 97.9692**, and if you desaturate by 10%, it is **46.6852, 43.9921, 100.6385**.

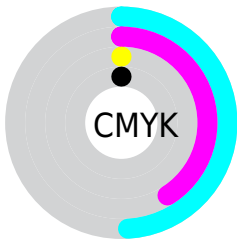
Distribution



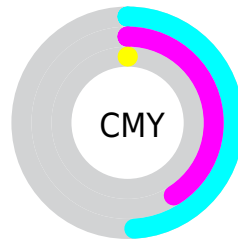
- Red (51%)
- Green (59%)
- Blue (100%)



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



- Cyan (49%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4767, 34.1785, 99.1769 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 38.4767, 34.1785, 99.1769 by changing the saturation by 10% instead.

■ 38.4767, 34.1785,
99.1769

■ 38.4767, 34.1785,
99.1769

330.9061,
320.9272, 578.7746

■ 26.5318, 23.0308,
75.0003

■ 72.1374, 66.2112,
162.0676

■ 17.3566, 14.6162,
55.1114

■ 94.5839, 87.8649,
201.6187

■ 10.5860, 8.5505,
39.0917

■ 121.2616,
113.7893, 247.1318

■ 5.8544, 4.4492,
26.5227

152.5359,
144.3690, 299.0253

■ 2.7966, 1.9279,
16.9858

188.7722,
179.9882, 357.7178

■ 1.0471, 0.5650,
10.0625

230.3357,

■ 0.0000, 0.0000,

221.0314, 423.6278

5.3343

277.5919,
267.8830, 497.1739

■ 0.0000, 0.0000,
2.3826

■ 0.0000, 0.0000,
0.7769

■ 38.4767, 34.1785,
99.1769

■ 38.4767, 34.1785,
99.1769

■ 31.8667, 26.1168,
97.9692

■ 46.6852, 43.9921,
100.6385

■ 26.7453, 19.6987,
97.0003

■ 56.5851, 55.6504,
102.3670

■ 22.9938, 14.8087,
96.2542

■ 68.2662, 69.2434,
104.3750

■ 20.4732, 11.3139,
95.7125

■ 81.8111, 84.8544,
106.6744

■ 18.9969, 9.0487,
95.3531

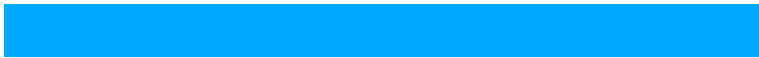
95.0500, 100.0000,
108.9000

■ 18.8472, 8.8144,
95.3157

Harmonies

Analogous

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



29.9226, 34.1785, 103.7030



38.4767, 34.1785, 99.1769



46.5693, 34.1785, 74.8180

Triad

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



38.4767, 34.1785, 99.1769



43.8122, 34.1785, 11.7595



19.0567, 34.1785, 30.1704

Complementary

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



38.4767, 34.1785, 99.1769



75.0466, 82.3177, 33.4084

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.



21.5731, 34.1785, 14.9515



38.4767, 34.1785, 99.1769



35.1910, 34.1785, 7.7520

Square

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



38.4767, 34.1785, 99.1769



49.9984, 34.1785, 23.2519



27.1512, 34.1785, 8.5960



19.6299, 34.1785, 55.8784

Rectangle

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



38.4767, 34.1785, 99.1769



50.1472, 34.1785, 54.7358



27.1512, 34.1785, 8.5960



19.5503, 34.1785, 23.8991

Sweetspot

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



38.4779, 34.1796, 99.1771



72.9569, 74.6652, 105.1743



60.0204, 82.3055, 90.8171



15.0255, 15.2996, 22.4111



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.



38.4779, 34.1796, 99.1771



32.2352, 26.5715, 98.0376



43.2545, 32.2631, 98.5554



17.2396, 17.8507, 22.7869



9.9174, 4.7444, 49.8276



1.0299, 0.5905, 4.8730

Inverse Universe

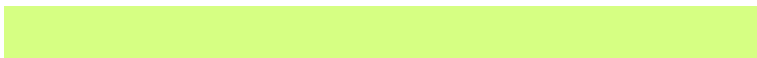
The Inverse Universe completely reimagines the original color for something new.



54.9432, 39.7286, 34.0516



50.6016, 33.4336, 25.2418



67.4921, 87.4052, 34.7885



18.1288, 18.0348, 19.2955



21.7940, 11.2069, 2.2999



2.1545, 1.1042, 0.3948

Previews

White Background



This preview shows how the XYZ color 38.4767, 34.1785, 99.1769 looks on a white background.

Color Contrast Check

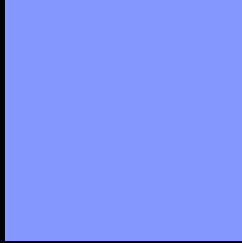
Large Text (above 18pt) WCAG AA × Fail

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 38.4767, 34.1785, 99.1769 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 38.4767, 34.1785, 99.1769

Background



This preview shows how black text looks on a background with the XYZ color 38.4767, 34.1785, 99.1769.



This preview shows how white text looks on a background with the XYZ color 38.4767, 34.1785,

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

38.4767, 34.1785, 99.1769

Protanopia

37.0768, 34.1828, 99.2515

Deuteranopia

35.3233, 34.3123, 97.6897



Tritanopia

28.2413, 34.1209, 48.2775

Trichromacy



Original Color

38.4767, 34.1785, 99.1769

Protanomaly

37.6096, 34.2134, 99.2294

Deuteranomaly

36.2928, 34.0432, 98.4241

Tritanomaly

31.2098, 33.7077, 63.8928

Monochromacy



Original Color

38.4767, 34.1785, 99.1769

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5597, 33.5888, 55.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4767, 34.1785, 99.1769 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(131, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 151, 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(131, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 151, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4767, 34.1785, 99.1769 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(131, 151, 255) }
```


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

```
.border{ border-color:rgb(131, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 151,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4767, 34.1785, 99.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 151, 255) }
```

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

```
.background{ background-color: rgb(131,  
151, 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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