

Converting Colors

XYZ(38.3986, 30.0811, 98.3901)

Have a look what the booklet for
XYZ(38.3986, 30.0811, 98.3901)
contains.

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Color

**XYZ(38.4702, 30.1981,
98.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	9385FF
RGB	147, 133, 255
RGB Percent	58%, 52%, 100%
CMY	0.4235, 0.4784, 0.0000
CMYK	0.42, 0.48, 0.00, 0.00
HSL	247°, 100%, 76%
HSV	247°, 48%, 100%
XYZ	38.4702, 30.1981, 98.4090
YIQ	151.0940, -30.8180, 40.9100

Conversions

Conversions Part 2

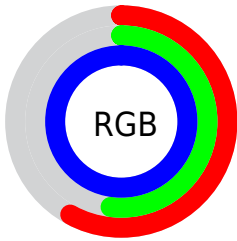
Format	Color
RYB	147, 133, 255
Decimal	9668095
CIELab	61.82, 34.40, -59.19
CIElCh	62, 68.461, 300.167
Yxy	30.1981, 0.2303, 0.1807
Android (android.graphics.Color)	4287858175 (0xFF9385FF)
YUV	151.0940, 51.2257, -3.5904
Hunter-Lab	54.9528, 28.7931, -67.7091

Details

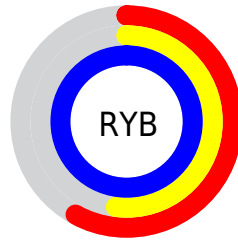
The XYZ color **38.4702, 30.1981, 98.4090** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.2683, 91.9137, 35.9124**, and the grayscale version is **29.2539, 30.7773, 33.5165**.

A 20% lighter version of the original color is **60.7857, 55.3169, 102.0812**, and **17.2911, 12.3416, 54.2941** is the 20% darker color. If you saturate the color by 10%, you get **31.7349, 22.1577, 97.2120**, and if you desaturate by 10%, it is **46.8492, 40.3444, 99.9258**.

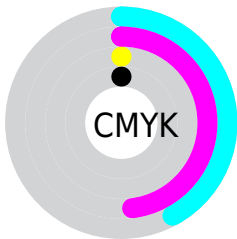
Distribution



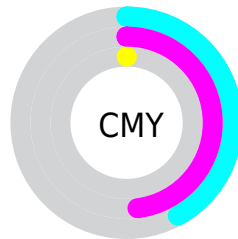
- Red (58%)
- Green (52%)
- Blue (100%)



- Red (58%)
- Yellow (52%)
- Blue (100%)



- Cyan (42%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4702, 30.1981, 98.4090 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 38.4702, 30.1981, 98.4090 by changing the saturation by 10% instead.

■ 38.4702, 30.1981,
98.4090

■ 38.4702, 30.1981,
98.4090

330.8788,
302.8268, 576.2827

■ 26.5267, 19.9890,
74.3630

■ 72.1275, 59.9753,
161.0018

■ 17.3528, 12.3870,
54.5926

■ 94.5721, 80.3122,
200.3858

■ 10.5832, 7.0078,
38.6793

■ 121.2476,
104.7939, 245.7194

■ 5.8525, 3.4670,
26.2044

152.5196,
133.8046, 297.4214

■ 2.7954, 1.3801,
16.7495

188.7534,
167.7289, 355.9101

■ 1.0465, 0.2020,
9.8960

230.3143,

■ 0.0000, 0.0000,

206.9511, 421.6042

5.2253

277.5676,
251.8556, 494.9222

■ 0.0000, 0.0000,
2.3190

■ 0.0000, 0.0000,
0.7419

■ 38.4702, 30.1981,
98.4090

■ 38.4702, 30.1981,
98.4090

■ 31.7349, 22.1577,
97.2120

■ 46.8492, 40.3444,
99.9258

■ 26.5310, 16.0714,
96.3115

■ 56.9674, 52.7280,
101.7828

■ 22.7369, 11.7718,
95.6816

■ 68.9172, 67.4730,
103.9990

■ 20.2111, 9.0615,
95.2915

■ 82.7833, 84.6935,
106.5921

■ 18.7740, 7.6819,
95.1010

95.0500, 100.0000,
108.9000

■ 18.5643, 7.4852,
95.0741

Harmonies

Analogous

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



28.7538, 30.1981, 113.2548



38.4702, 30.1981, 98.4090



46.8052, 30.1981, 64.8099

Triad

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



38.4702, 30.1981, 98.4090



38.3621, 30.1981, 5.6941



14.4716, 30.1981, 33.0279

Complementary

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



38.4702, 30.1981, 98.4090



76.2683, 91.9137, 35.9124

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.



15.9975, 30.1981, 13.6608



38.4702, 30.1981, 98.4090



28.6511, 30.1981, 3.8633

Square

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



38.4702, 30.1981, 98.4090



46.7341, 30.1981, 13.5194



20.7460, 30.1981, 5.7400



16.0323, 30.1981, 65.2113

Rectangle

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



38.4702, 30.1981, 98.4090



49.7329, 30.1981, 42.2458



20.7460, 30.1981, 5.7400



14.6357, 30.1981, 25.0131

Sweetspot

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



38.4713, 30.1991, 98.4091



74.0140, 73.7909, 104.9499



59.7140, 76.1884, 106.1663



15.2219, 15.0252, 22.3478



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.



38.4713, 30.1991, 98.4091



32.2417, 22.7575, 97.3011



51.9472, 37.1461, 99.0397



17.1966, 17.4776, 22.7171



9.7613, 3.9426, 49.6811



1.0099, 0.4145, 4.8401

Inverse Universe

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



65.5045, 44.3863, 88.3315



62.2574, 38.5281, 85.2882



59.2382, 83.1344, 35.1154



18.6976, 18.2623, 22.2905



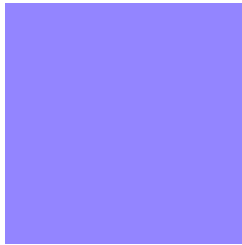
28.7382, 13.9846, 38.8676



2.8226, 1.3714, 3.9130

Previews

White Background



This preview shows how the XYZ color 38.4702, 30.1981, 98.4090 looks on a white background.

Color Contrast Check

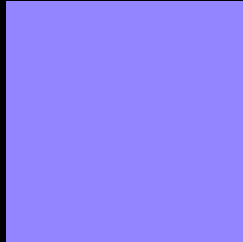
Large Text (above 18pt) WCAG AA × Fail

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 38.4702, 30.1981, 98.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

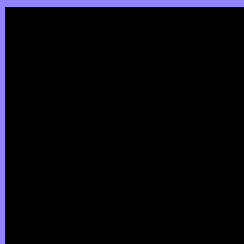
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4702, 30.1981, 98.4090

Background



This preview shows how black text looks on a background with the XYZ color 38.4702, 30.1981, 98.4090.



This preview shows how white text looks on a background with the XYZ color 38.4702, 30.1981,

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

38.4702, 30.1981, 98.4090

Protanopia

33.6957, 30.5445, 98.7275

Deuteranopia

31.4608, 30.3974, 95.4759



Tritanopia

26.8960, 30.2244, 40.4927

Trichromacy



Original Color

38.4702, 30.1981, 98.4090

Protanomaly

35.0461, 30.1213, 98.5746

Deuteranomaly

33.1375, 29.8584, 96.1122

Tritanomaly

30.1448, 29.6215, 57.5548

Monochromacy



Original Color

38.4702, 30.1981, 98.4090

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.7362, 30.1047, 52.2822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4702, 30.1981, 98.4090 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(147, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 133, 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(147, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4702, 30.1981, 98.4090 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(147, 133, 255) }
```


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

```
.border{ border-color:rgb(147, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4702, 30.1981, 98.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 133, 255) }
```

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

```
.background{ background-color: rgb(147,  
133, 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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