

Converting Colors

XYZ(38.7099, 30.2405, 98.4045)

Have a look what the booklet for
XYZ(38.7099, 30.2405, 98.4045)
contains.

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Color

**XYZ(38.8320, 30.3846,
98.4259)**

Conversions

Conversions Part 1

Format	Color
Hex	9585FF
RGB	149, 133, 255
RGB Percent	58%, 52%, 100%
CMY	0.4157, 0.4784, 0.0000
CMYK	0.42, 0.48, 0.00, 0.00
HSL	248°, 100%, 76%
HSV	248°, 48%, 100%
XYZ	38.8320, 30.3846, 98.4259
YIQ	151.6920, -29.6260, 41.3340

Conversions

Conversions Part 2

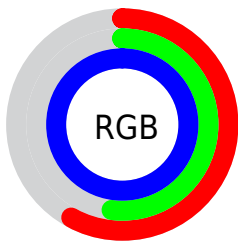
Format	Color
R_{YB}	149, 133, 255
Decimal	9799167
CIE _{Lab}	61.98, 34.87, -58.92
CIE _{LCh}	62, 68.469, 300.616
Yxy	30.3846, 0.2316, 0.1812
Android (android.graphics.Color)	4287989247 (0xFF9585FF)
YUV	151.6920, 50.9308, -2.3609
Hunter-Lab	55.1222, 29.2841, -67.2823

Details

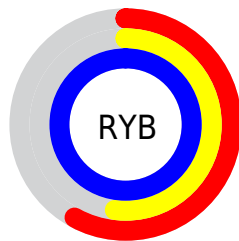
The XYZ color **38.8320, 30.3846, 98.4259** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.5893, 91.5637, 35.8806**, and the grayscale version is **29.5104, 31.0472, 33.8104**.

A 20% lighter version of the original color is **61.3410, 55.6032, 102.1072**, and **17.4857, 12.4419, 54.3032** is the 20% darker color. If you saturate the color by 10%, you get **32.0903, 22.3409, 97.2286**, and if you desaturate by 10%, it is **47.1921, 40.5212, 99.9418**.

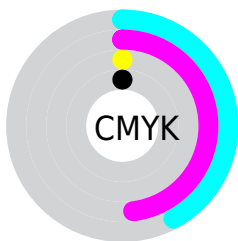
Distribution



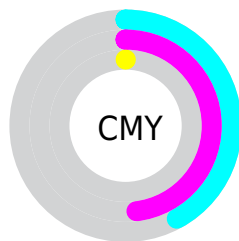
- Red (58%)
- Green (52%)
- Blue (100%)



- 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 38.8320, 30.3846, 98.4259 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 38.8320, 30.3846, 98.4259 by changing the saturation by 10% instead.

■ 38.8320, 30.3846,
98.4259

■ 38.8320, 30.3846,
98.4259

332.3952,
303.6931, 576.3376

■ 26.8092, 20.1307,
74.3771

■ 72.6773, 60.2699,
161.0253

■ 17.5658, 12.4901,
54.6040

■ 95.2305, 80.6700,
200.4129

■ 10.7365, 7.0784,
38.6883

■ 122.0246,
105.2210, 245.7505

■ 5.9559, 3.5112,
26.2114

153.4249,
134.3073, 297.4567

■ 2.8587, 1.4041,
16.7547

189.7967,
168.3133, 355.9499

■ 1.0795, 0.2197,
9.8996

231.5055,

■ 0.0079, 0.0000,

207.6233, 421.6488

5.2277

278.9165,
252.6218, 494.9718

■ 0.0000, 0.0000,
2.3204

■ 0.0000, 0.0000,
0.7426

■ 38.8320, 30.3846,
98.4259

■ 38.8320, 30.3846,
98.4259

■ 32.0903, 22.3409,
97.2286

■ 47.1921, 40.5212,
99.9418

■ 26.8574, 16.2397,
96.3268

■ 57.2636, 52.8807,
101.7966

■ 23.0154, 11.9154,
95.6946

■ 69.1364, 67.5860,
104.0093

■ 20.4269, 9.1728,
95.3016

■ 82.8930, 84.7501,
106.5972

■ 18.9176, 7.7559,
95.1077

95.0500, 100.0000,
108.9000

■ 18.6917, 7.5508,
95.0800

Harmonies

Analogous

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



29.0699, 30.3846, 113.7247



38.8320, 30.3846, 98.4259



47.1478, 30.3846, 64.5942

Triad

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



38.8320, 30.3846, 98.4259



38.4328, 30.3846, 5.6950



14.5832, 30.3846, 33.6304

Complementary

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



38.8320, 30.3846, 98.4259



75.5893, 91.5637, 35.8806

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.



16.0701, 30.3846, 13.9652



38.8320, 30.3846, 98.4259



28.6902, 30.3846, 3.9113

Square

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



38.8320, 30.3846, 98.4259



46.8851, 30.3846, 13.4419



20.7920, 30.3846, 5.8649



16.1989, 30.3846, 66.0766

Rectangle

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



38.8320, 30.3846, 98.4259



50.0247, 30.3846, 42.0273



20.7920, 30.3846, 5.8649



14.7329, 30.3846, 25.5084

Sweetspot

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



38.8331, 30.3856, 98.4260



74.1950, 73.8843, 104.9583



59.1095, 74.9794, 105.9648



15.2654, 15.0476, 22.3499



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.



38.8331, 30.3856, 98.4260



32.5985, 22.9414, 97.3178



52.5161, 37.4394, 99.0664



17.2245, 17.4919, 22.7184



9.8346, 3.9804, 49.6845



1.0230, 0.4213, 4.8407

Inverse Universe

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



65.2073, 44.2674, 86.7666



61.9089, 38.3888, 83.4531



58.7622, 82.8890, 35.0931



18.6841, 18.2569, 22.2195



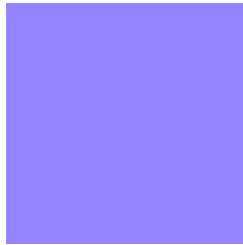
28.4467, 13.8680, 37.3322



2.7970, 1.3612, 3.7786

Previews

White Background



This preview shows how the XYZ color 38.8320, 30.3846, 98.4259 looks on a white background.

Color Contrast Check

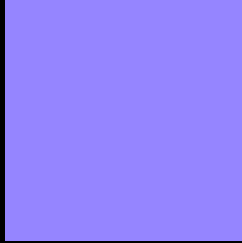
Large Text (above 18pt) WCAG AA × Fail

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 38.8320, 30.3846, 98.4259 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 38.8320, 30.3846, 98.4259

Background



This preview shows how black text looks on a background with the XYZ color 38.8320, 30.3846, 98.4259.



This preview shows how white text looks on a background with the XYZ color 38.8320, 30.3846,

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

38.8320, 30.3846, 98.4259

Protanopia

33.8084, 30.6025, 98.7327

Deuteranopia

31.7875, 30.8037, 95.5371



Tritanopia

27.1909, 30.3764, 40.5065

Trichromacy



Original Color

38.8320, 30.3846, 98.4259

Protanomaly

35.1826, 30.1917, 98.5810

Deuteranomaly

33.3696, 29.9781, 96.1230

Tritanomaly

30.4636, 29.7859, 57.5697

Monochromacy



Original Color

38.8320, 30.3846, 98.4259

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.0732, 30.5042, 52.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8320, 30.3846, 98.4259 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(149, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8320, 30.3846, 98.4259 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(149, 133, 255) }
```


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

```
.border{ border-color:rgb(149, 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(149, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8320, 30.3846, 98.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 133, 255) }
```

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

```
.background{ background-color: rgb(149,  
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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