

# Converting Colors

XYZ(44.5318, 30.7455,  
132.3889)

Have a look what the booklet for  
XYZ(44.5318, 30.7455, 132.3889)  
contains.

<b>XYZ(38.0202, 28.2146, 98.0498)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(38.0202, 28.2146,  
98.0498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	977CFF
RGB	151, 124, 255
RGB Percent	59%, 49%, 100%
CMY	0.4078, 0.5137, 0.0000
CMYK	0.41, 0.51, 0.00, 0.00
HSL	252°, 100%, 74%
HSV	252°, 51%, 100%
XYZ	38.0202, 28.2146, 98.0498
YIQ	147.0070, -25.9590, 46.4650

# Conversions

## Conversions Part 2

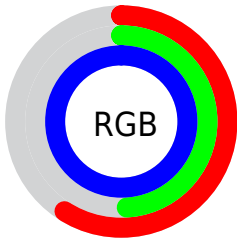
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 124, 255
Decimal	9927935
CIE <sub>Lab</sub>	60.08, 40.47, -61.96
CIE <sub>LCh</sub>	60, 74.003, 303.150
Y <sub>xy</sub>	28.2146, 0.2314, 0.1717
Android (android.graphics.Color)	4288118015 (0xFF977CFF)
YUV	147.0070, 53.2405, 3.5019
Hunter-Lab	53.1174, 34.8106, -72.2616

# Details

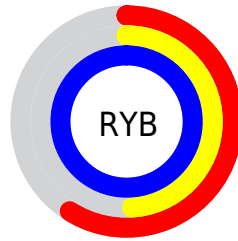
The XYZ color **38.0202, 28.2146, 98.0498** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **71.3921, 89.4687, 32.5758**, and the grayscale version is **27.5317, 28.9655, 31.5435**.

A 20% lighter version of the original color is **60.3505, 52.3659, 101.5346**, and **17.0410, 11.2559, 54.0978** is the 20% darker color. If you saturate the color by 10%, you get **31.7879, 20.8558, 96.9579**, and if you desaturate by 10%, it is **45.7258, 37.5599, 99.4475**.

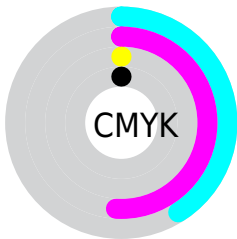
# Distribution



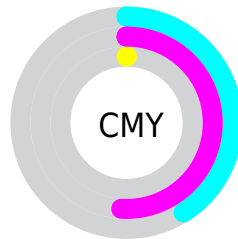
- Red (59%)
- Green (49%)
- Blue (100%)



- Red (59%)
- Yellow (49%)
- Blue (100%)



- Cyan (41%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (51%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0202, 28.2146, 98.0498 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 38.0202, 28.2146, 98.0498 by changing the saturation by 10% instead.




 38.0202, 28.2146,  
98.0498


 38.0202, 28.2146,  
98.0498

328.9860,  
293.4909, 575.1151


 26.1757, 18.4875,  
74.0651


 71.4428, 56.8269,  
160.5030

 17.0885, 11.3005,  
54.3502


 93.7516, 76.4808,  
199.8085

 10.3933, 6.2694,  
38.4866


 120.2791,  
100.2125, 245.0581

 5.7247, 3.0096,  
26.0558

151.3908,  
128.4064, 296.6702

 2.7175, 1.1367,  
16.6393

187.4519,  
161.4467, 355.0634

 1.0062, 0.0091,  
9.8184

228.8280,

 0.0000, 0.0000,

199.7180, 420.6563

5.1747

275.8842,  
243.6046, 493.8673

■ 0.0000, 0.0000,  
2.2896

■ 0.0000, 0.0000,  
0.7254

■ 38.0202, 28.2146,  
98.0498

■ 38.0202, 28.2146,  
98.0498

■ 31.7879, 20.8558,  
96.9579

■ 45.7258, 37.5599,  
99.4475

■ 26.9277, 15.3336,  
96.1482

■ 54.9902, 49.0209,  
101.1714

■ 23.3299, 11.4808,  
95.5941

■ 65.8959, 62.7192,  
103.2407

■ 20.8649, 9.0971,  
95.2640

■ 78.5188, 78.7660,  
105.6727

■ 19.4954, 7.9651,  
95.1176

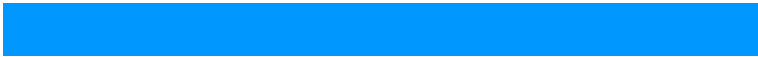
■ 92.9298, 97.2654,  
108.4839

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



27.8273, 28.2146, 117.3701



38.0202, 28.2146, 98.0498



46.4945, 28.2146, 60.6954

# Triad

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



38.0202, 28.2146, 98.0498



35.8808, 28.2146, 3.7639



12.4676, 28.2146, 33.6677

# Complementary

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



38.0202, 28.2146, 98.0498



71.3921, 89.4687, 32.5758

# 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.



13.6619, 28.2146, 12.7132



38.0202, 28.2146, 98.0498



25.8318, 28.2146, 2.5586

# Square

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



38.0202, 28.2146, 98.0498



45.0694, 28.2146, 10.1582



18.0642, 28.2146, 4.5137



14.3082, 28.2146, 68.8260



# Rectangle

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



38.0202, 28.2146, 98.0498



49.1823, 28.2146, 37.3485



18.0642, 28.2146, 4.5137



12.5290, 28.2146, 24.9278

# Sweetspot

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



38.0213, 28.2155, 98.0499



73.7360, 72.6658, 104.7473



54.3265, 67.4334, 104.7604



15.2106, 14.8261, 22.3100



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.



38.0213, 28.2155, 98.0499



31.4433, 20.4565, 96.8990



53.4884, 36.1891, 98.7738



17.3527, 17.5581, 22.7244



10.2843, 4.2122, 49.7056



1.0864, 0.4540, 4.8436



# Inverse Universe

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



62.4510, 41.2770, 78.0721



58.7453, 35.0869, 73.0720



54.5642, 80.7936, 31.7883



18.6228, 18.2324, 21.8968



27.2021, 13.3701, 30.7784

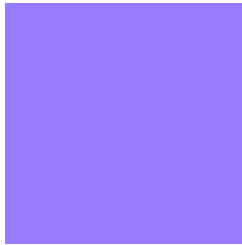


2.6871, 1.3172, 3.1996



# Previews

## White Background



This preview shows how the XYZ color 38.0202, 28.2146, 98.0498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

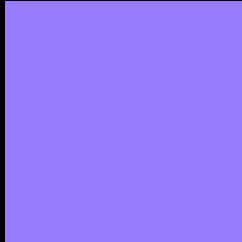
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 38.0202, 28.2146, 98.0498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

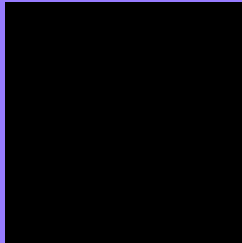
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.0202, 28.2146, 98.0498**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.0202, 28.2146, 98.0498.



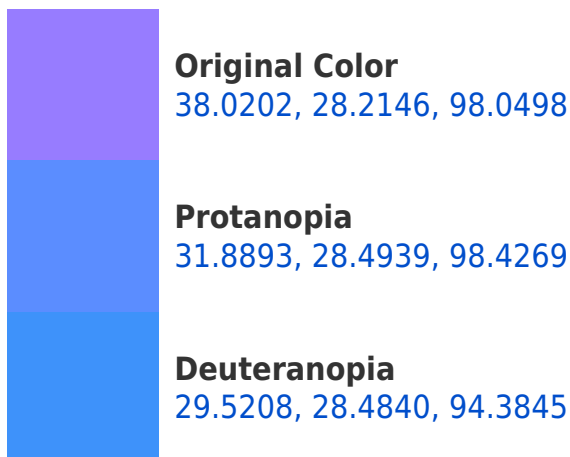
This preview shows how white text looks on a background with the XYZ color 38.0202, 28.2146,



# 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





## **Tritanopia**

25.7500, 28.2722, 36.9008

# Trichromacy



## Original Color

38.0202, 28.2146, 98.0498

## Protanomaly

33.5240, 28.0587, 98.2567

## Deuteranomaly

31.2753, 27.5849, 95.7715

## Tritanomaly

29.1236, 27.5945, 54.8302

# Monochromacy



## Original Color

38.0202, 28.2146, 98.0498

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

30.3083, 28.3063, 50.3206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0202, 28.2146, 98.0498 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(151, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 124, 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(151, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 124, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0202, 28.2146, 98.0498 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(151, 124, 255) }
```



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

```
.border{ border-color:rgb(151, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 124,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0202, 28.2146, 98.0498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 124, 255) }
```

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

```
.background{ background-color: rgb(151,  
124, 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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