

Converting Colors

XYZ(40.6925, 30.1358,
111.1010)

Have a look what the booklet for
XYZ(40.6925, 30.1358, 111.1010)
contains.

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Color

**XYZ(38.1636, 29.0479,
98.2031)**

Conversions

Conversions Part 1

Format	Color
Hex	9580FF
RGB	149, 128, 255
RGB Percent	58%, 50%, 100%
CMY	0.4157, 0.4980, 0.0000
CMYK	0.42, 0.50, 0.00, 0.00
HSL	250°, 100%, 75%
HSV	250°, 50%, 100%
XYZ	38.1636, 29.0479, 98.2031
YIQ	148.7570, -28.2510, 43.9490

Conversions

Conversions Part 2

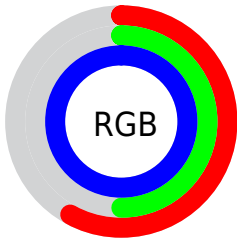
Format	Color
RYB	149, 128, 255
Decimal	9797887
CIELab	60.82, 37.73, -60.78
CIElCh	61, 71.540, 301.833
Yxy	29.0479, 0.2307, 0.1756
Android (android.graphics.Color)	4287987967 (0xFF9580FF)
YUV	148.7570, 52.3778, 0.2131
Hunter-Lab	53.8961, 32.0769, -70.3039

Details

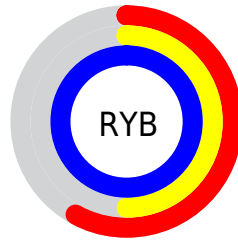
The XYZ color **38.1636, 29.0479, 98.2031** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **73.5872, 90.5705, 34.0262**, and the grayscale version is **28.2617, 29.7335, 32.3798**.

A 20% lighter version of the original color is **60.3060, 53.5331, 101.7622**, and **17.1168, 11.7041, 54.1803** is the 20% darker color. If you saturate the color by 10%, you get **31.7112, 21.3894, 97.0649**, and if you desaturate by 10%, it is **46.1634, 38.7453, 99.6533**.

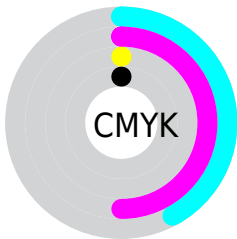
Distribution



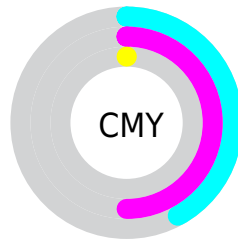
- Red (58%)
- Green (50%)
- Blue (100%)



- Red (58%)
- Yellow (50%)
- Blue (100%)



- Cyan (42%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1636, 29.0479, 98.2031 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 38.1636, 29.0479, 98.2031 by changing the saturation by 10% instead.


 38.1636, 29.0479,
98.2031


 38.1636, 29.0479,
98.2031

329.5900,
297.4409, 575.6135


 26.2875, 19.1171,
74.1922


 71.6611, 58.1532,
160.7159

 17.1726, 11.7549,
54.4536


 94.0132, 78.0964,
200.0549

 10.4537, 6.5770,
38.5688


 120.5880,
102.1459, 245.3404

 5.7654, 3.1990,
26.1192

151.7509,
130.6860, 296.9909

 2.7422, 1.2365,
16.6863

187.8671,
164.1012, 355.4249

 1.0190, 0.0912,
9.8515

229.3022,

 0.0000, 0.0000,

202.7758, 421.0610

5.1963

276.4213,
247.0942, 494.3177

■ 0.0000, 0.0000,
2.3021

■ 0.0000, 0.0000,
0.7324

■ 38.1636, 29.0479,
98.2031

■ 38.1636, 29.0479,
98.2031

■ 31.7112, 21.3894,
97.0649

■ 46.1634, 38.7453,
99.6533

■ 26.7002, 15.6192,
96.2153

■ 55.8001, 50.6115,
101.4357

■ 23.0164, 11.5704,
95.6279

■ 67.1604, 64.7689,
103.5697

■ 20.5256, 9.0446,
95.2717

■ 80.3238, 81.3302,
106.0725

■ 19.0346, 7.7357,
95.0976

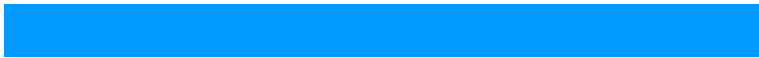
95.0500, 100.0000,
108.9000

■ 19.0119, 7.7159,
95.0950

Harmonies

Analogous

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



28.1854, 29.0479, 115.4764



38.1636, 29.0479, 98.2031



46.5794, 29.0479, 62.5117

Triad

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



38.1636, 29.0479, 98.2031



36.9469, 29.0479, 4.5469



13.3080, 29.0479, 33.2955

Complementary

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



38.1636, 29.0479, 98.2031



73.5872, 90.5705, 34.0262

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.



14.6478, 29.0479, 13.0803



38.1636, 29.0479, 98.2031



27.0409, 29.0479, 3.0820

Square

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



38.1636, 29.0479, 98.2031



45.7732, 29.0479, 11.5671



19.2056, 29.0479, 5.0116



15.0260, 29.0479, 67.0896

Rectangle

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



38.1636, 29.0479, 98.2031



49.3798, 29.0479, 39.4818



19.2056, 29.0479, 5.0116



13.4143, 29.0479, 24.8920

Sweetspot

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



38.1647, 29.0489, 98.2032



73.2532, 72.4169, 104.7247



56.9335, 71.7716, 105.4603



15.0957, 14.7669, 22.3046



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.



38.1647, 29.0489, 98.2032



31.5990, 21.2581, 97.0455



52.5048, 36.4415, 98.8743



17.2828, 17.5220, 22.7211



10.0157, 4.0738, 49.6930



1.0504, 0.4354, 4.8420

Inverse Universe

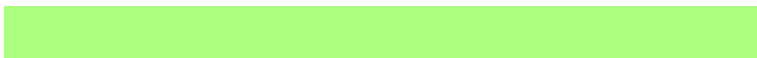
The Inverse Universe completely reimagines the original color for something new.



63.8103, 42.6392, 82.7069



60.2318, 36.4589, 78.5028



56.7689, 81.9004, 33.2391



18.6561, 18.2457, 22.0719



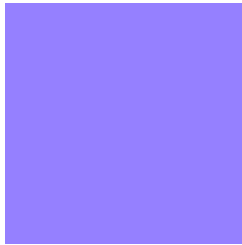
27.8609, 13.6336, 34.2474



2.7455, 1.3406, 3.5072

Previews

White Background



This preview shows how the XYZ color 38.1636, 29.0479, 98.2031 looks on a white background.

Color Contrast Check

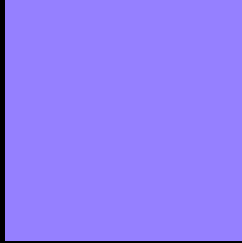
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1636, 29.0479, 98.2031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

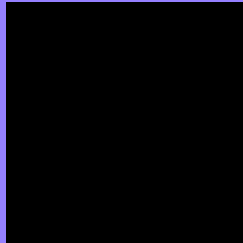
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.1636, 29.0479, 98.2031

Background



This preview shows how black text looks on a background with the XYZ color 38.1636, 29.0479, 98.2031.



This preview shows how white text looks on a background with the XYZ color 38.1636, 29.0479,

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

38.1636, 29.0479, 98.2031

Protanopia

32.5918, 29.2978, 98.5450

Deuteranopia

30.4567, 29.4101, 95.3383



Tritanopia

26.0321, 28.8569, 38.3803

Trichromacy



Original Color

38.1636, 29.0479, 98.2031

Protanomaly

34.2087, 29.0418, 98.4104

Deuteranomaly

32.1326, 28.6747, 95.9367

Tritanomaly

29.4683, 28.3999, 56.1531

Monochromacy



Original Color

38.1636, 29.0479, 98.2031

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.9964, 29.0702, 51.5544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1636, 29.0479, 98.2031 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, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 128, 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, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.1636, 29.0479, 98.2031 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, 128, 255) }
```


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

```
.border{ border-color:rgb(149, 128, 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, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1636, 29.0479, 98.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 128, 255) }
```

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

```
.background{ background-color: rgb(149,  
128, 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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