

Converting Colors

XYZ(38.1863, 29.9706, 98.3800)

Have a look what the booklet for
XYZ(38.1863, 29.9706, 98.3800)
contains.

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Color

**XYZ(38.2916, 30.1060,
98.4006)**

Conversions

Conversions Part 1

Format	Color
Hex	9285FF
RGB	146, 133, 255
RGB Percent	57%, 52%, 100%
CMY	0.4274, 0.4784, 0.0000
CMYK	0.43, 0.48, 0.00, 0.00
HSL	246°, 100%, 76%
HSV	246°, 48%, 100%
XYZ	38.2916, 30.1060, 98.4006
YIQ	150.7950, -31.4140, 40.6980

Conversions

Conversions Part 2

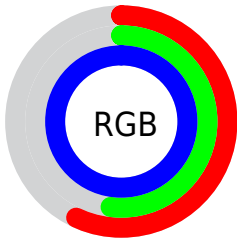
Format	Color
R _{YB}	146, 133, 255
Decimal	9602559
CIE Lab	61.75, 34.17, -59.32
CIE LCh	62, 68.459, 299.945
Yxy	30.1060, 0.2296, 0.1805
Android (android.graphics.Color)	4287792639 (0xFF9285FF)
YUV	150.7950, 51.3731, -4.2052
Hunter-Lab	54.8689, 28.5499, -67.9210

Details

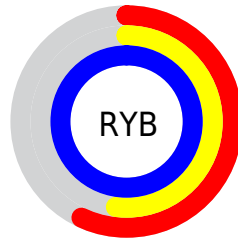
The XYZ color **38.2916, 30.1060, 98.4006** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.6106, 92.0902, 35.9283**, and the grayscale version is **29.1261, 30.6429, 33.3701**.

A 20% lighter version of the original color is **60.5107, 55.1752, 102.0684**, and **17.1958, 12.2924, 54.2897** is the 20% darker color. If you saturate the color by 10%, you get **31.5605, 22.0677, 97.2038**, and if you desaturate by 10%, it is **46.6792, 40.2567, 99.9178**.

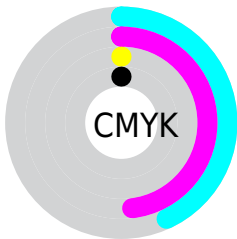
Distribution



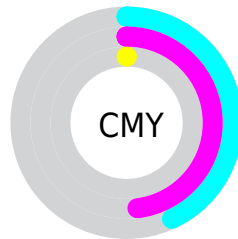
- Red (57%)
- Green (52%)
- Blue (100%)



- Red (57%)
- Yellow (52%)
- Blue (100%)



- Cyan (43%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2916, 30.1060, 98.4006 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 38.2916, 30.1060, 98.4006 by changing the saturation by 10% instead.

■ 38.2916, 30.1060,
98.4006

■ 38.2916, 30.1060,
98.4006

330.1285,
302.3982, 576.2554

■ 26.3873, 19.9191,
74.3561

■ 71.8559, 59.8298,
160.9902

■ 17.2478, 12.3362,
54.5870

■ 94.2466, 80.1354,
200.3723

■ 10.5077, 6.9731,
38.6748

■ 120.8635,
104.5827, 245.7040

■ 5.8017, 3.4453,
26.2009

152.0720,
133.5561, 297.4038

■ 2.7644, 1.3684,
16.7469

188.2374,
167.4399, 355.8903

■ 1.0304, 0.1932,
9.8942

229.7250,

■ 0.0000, 0.0000,

206.6186, 421.5821

5.2241

276.9003,
251.4766, 494.8976

■ 0.0000, 0.0000,
2.3183

■ 0.0000, 0.0000,
0.7415

■ 38.2916, 30.1060,
98.4006

■ 38.2916, 30.1060,
98.4006

■ 31.5605, 22.0677,
97.2038

■ 46.6792, 40.2567,
99.9178

■ 26.3719, 15.9894,
96.3041

■ 56.8201, 52.6520,
101.7759

■ 22.6026, 11.7026,
95.6753

■ 68.8080, 67.4166,
103.9939

■ 20.1088, 9.0088,
95.2868

■ 82.7284, 84.6651,
106.5895

■ 18.7083, 7.6480,
95.0979

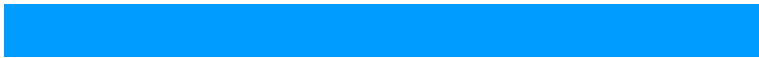
95.0500, 100.0000,
108.9000

■ 18.5068, 7.4555,
95.0714

Harmonies

Analogous

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



28.5979, 30.1060, 113.0219



38.2916, 30.1060, 98.4006



46.6359, 30.1060, 64.9173

Triad

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



38.2916, 30.1060, 98.4006



38.3273, 30.1060, 5.6938



14.4165, 30.1060, 32.7318

Complementary

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



38.2916, 30.1060, 98.4006



76.6106, 92.0902, 35.9283

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.



15.9616, 30.1060, 13.5116



38.2916, 30.1060, 98.4006



28.6318, 30.1060, 3.8397

Square

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



38.2916, 30.1060, 98.4006



46.6594, 30.1060, 13.5582



20.7234, 30.1060, 5.6787



15.9502, 30.1060, 64.7847

Rectangle

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



38.2916, 30.1060, 98.4006



49.5886, 30.1060, 42.3548



20.7234, 30.1060, 5.6787



14.5878, 30.1060, 24.7698

Sweetspot

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



38.2927, 30.1070, 98.4007



73.9237, 73.7444, 104.9456



59.7140, 76.1883, 106.1663



15.2003, 15.0140, 22.3468



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.



38.2927, 30.1070, 98.4007



32.0665, 22.6672, 97.2929



51.9471, 37.1461, 99.0397



17.1827, 17.4704, 22.7164



9.7279, 3.9254, 49.6795



1.0034, 0.4112, 4.8398

Inverse Universe

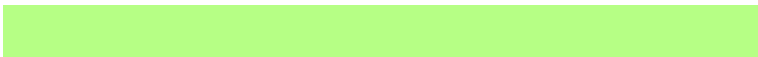
The Inverse Universe completely reimagines the original color for something new.



65.6543, 44.4461, 89.1204



62.4334, 38.5985, 86.2148



59.2382, 83.1344, 35.1153



18.7043, 18.2650, 22.3261



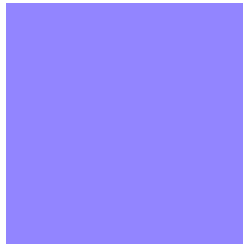
28.8866, 14.0440, 39.6491



2.8355, 1.3766, 3.9813

Previews

White Background



This preview shows how the XYZ color 38.2916, 30.1060, 98.4006 looks on a white background.

Color Contrast Check

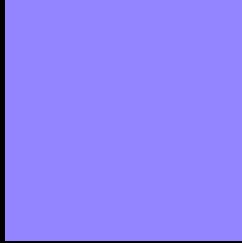
Large Text (above 18pt) WCAG AA × Fail

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 38.2916, 30.1060, 98.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

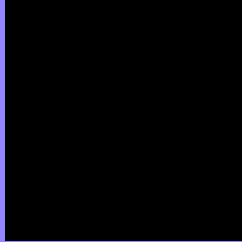
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2916, 30.1060, 98.4006

Background



This preview shows how black text looks on a background with the XYZ color 38.2916, 30.1060, 98.4006.

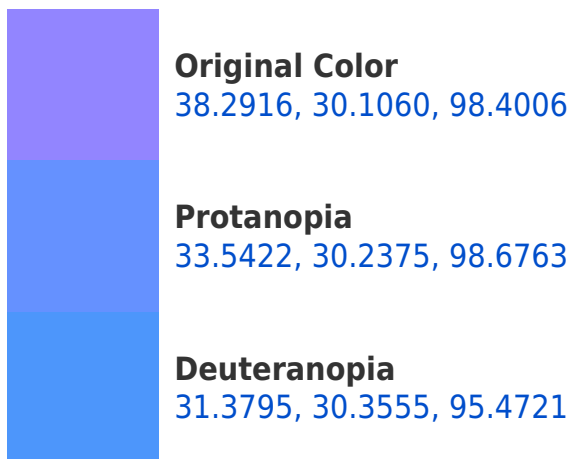


This preview shows how white text looks on a background with the XYZ color 38.2916, 30.1060,

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

26.6069, 30.0753, 40.4792

Trichromacy



Original Color

38.2916, 30.1060, 98.4006

Protanomaly

34.9110, 30.0517, 98.5683

Deuteranomaly

33.0234, 29.7996, 96.1068

Tritanomaly

29.8320, 29.4603, 57.5402

Monochromacy



Original Color

38.2916, 30.1060, 98.4006

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.5530, 30.0102, 52.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2916, 30.1060, 98.4006 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(146, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2916, 30.1060, 98.4006 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(146, 133, 255) }
```


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

```
.border{ border-color:rgb(146, 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(146, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2916, 30.1060, 98.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 133, 255) }
```

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

```
.background{ background-color: rgb(146,  
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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