

Converting Colors

XYZ(42.4489, 30.1377, 98.1652)

Have a look what the booklet for
XYZ(42.4489, 30.1377, 98.1652)
contains.

XYZ(42.4651, 30.1377, 98.1868)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4651, 30.1377,
98.1868)**

Conversions

Conversions Part 1

Format	Color
Hex	AE7AFF
RGB	174, 122, 255
RGB Percent	68%, 48%, 100%
CMY	0.3176, 0.5216, 0.0000
CMYK	0.32, 0.52, 0.00, 0.00
HSL	263°, 100%, 74%
HSV	263°, 52%, 100%
XYZ	42.4651, 30.1377, 98.1868
YIQ	152.7100, -11.7010, 52.3870

Conversions

Conversions Part 2

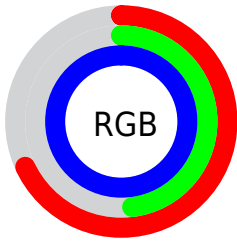
Format	Color
RYB	174, 122, 255
Decimal	11434751
CIELab	61.77, 47.01, -59.13
CIELCh	62, 75.543, 308.485
Yxy	30.1377, 0.2486, 0.1765
Android (android.graphics.Color)	4289624831 (0xFFAE7AFF)
YUV	152.7100, 50.4290, 18.6713
Hunter-Lab	54.8978, 42.0039, -67.6139

Details

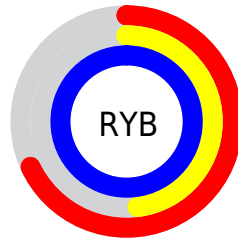
The XYZ color **42.4651, 30.1377, 98.1868** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **63.9012, 85.6215, 31.5718**, and the grayscale version is **29.9451, 31.5045, 34.3084**.

A 20% lighter version of the original color is **67.1796, 55.5943, 101.7978**, and **19.6674, 12.3196, 54.1647** is the 20% darker color. If you saturate the color by 10%, you get **36.4729, 22.9950, 97.1239**, and if you desaturate by 10%, it is **49.6809, 39.1312, 99.5424**.

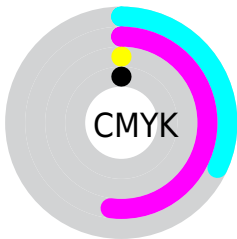
Distribution



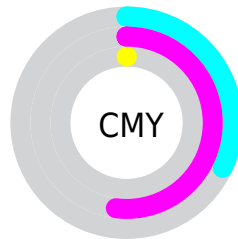
- Red (68%)
- Green (48%)
- Blue (100%)



- Red (68%)
- Yellow (48%)
- Blue (100%)



- Cyan (32%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4651, 30.1377, 98.1868 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 42.4651, 30.1377, 98.1868 by changing the saturation by 10% instead.

42.4651, 30.1377,
98.1868

42.4651, 30.1377,
98.1868

347.3663,
302.5458, 575.5605

29.6583, 19.9431,
74.1787

78.1638, 59.8799,
160.6933

19.7262, 12.3537,
54.4426

101.7865, 80.1963,
200.0287

12.3033, 6.9851,
38.5601

129.7452,
104.6554, 245.3104

7.0242, 3.4528,
26.1125

162.4052,
133.6416, 296.9568

3.5237, 1.3724,
16.6813

200.1320,
167.5394, 355.3864

1.4364, 0.1963,
9.8480

243.2909,

0.2819, 0.0000,

206.7331, 421.0179

5.1940

292.2472,
251.6071, 494.2698

■ 0.0000, 0.0000,
2.3008

■ 0.0000, 0.0000,
0.7317

■ 42.4651, 30.1377,
98.1868

■ 42.4651, 30.1377,
98.1868

■ 36.4729, 22.9950,
97.1239

■ 49.6809, 39.1312,
99.5424

■ 31.6215, 17.5615,
96.3308

■ 58.1883, 50.0962,
101.2104

■ 27.8220, 13.6793,
95.7817

■ 68.0540, 63.1465,
103.2094

■ 24.9677, 11.1576,
95.4454

■ 79.3390, 78.3864,
105.5562

■ 23.2728, 9.9125,
95.2944

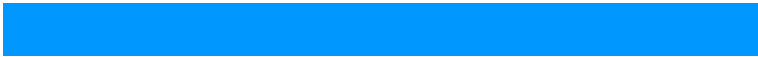
■ 92.1001, 95.9129,
108.2666

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.



31.5983, 30.1377, 123.9098



42.4651, 30.1377, 98.1868



50.7017, 30.1377, 57.6468

Triad

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



42.4651, 30.1377, 98.1868



36.3503, 30.1377, 3.5366



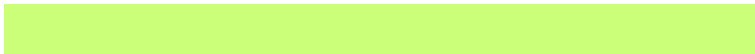
13.4435, 30.1377, 41.6970

Complementary

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



42.4651, 30.1377, 98.1868



63.9012, 85.6215, 31.5718

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.



14.1421, 30.1377, 16.3879



42.4651, 30.1377, 98.1868



25.8816, 30.1377, 2.8489

Square

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



42.4651, 30.1377, 98.1868



46.6347, 30.1377, 8.9873



18.2048, 30.1377, 5.7323



16.0031, 30.1377, 80.8425

Rectangle

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



42.4651, 30.1377, 98.1868



52.6918, 30.1377, 34.3033



18.2048, 30.1377, 5.7323



13.3199, 30.1377, 31.3701

Sweetspot

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



42.4662, 30.1388, 98.1869



74.8293, 72.2627, 104.6119



47.6734, 54.5518, 102.6246



15.5186, 14.7946, 22.2877



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.



42.4662, 30.1388, 98.1869



36.0204, 22.4723, 97.0469



60.7699, 39.5747, 99.0435



17.6748, 17.7241, 22.7395



12.3158, 5.2595, 49.8007



1.3174, 0.5731, 4.8544

Inverse Universe

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



58.9792, 39.4914, 61.0131



54.8090, 33.1419, 53.4860



49.6748, 78.2875, 30.9060



18.4742, 18.1730, 21.1141



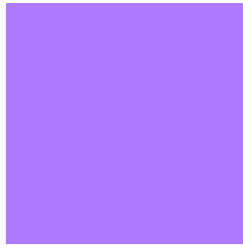
24.7287, 12.3808, 17.7538



2.4614, 1.2269, 2.0113

Previews

White Background



This preview shows how the XYZ color 42.4651, 30.1377, 98.1868 looks on a white background.

Color Contrast Check

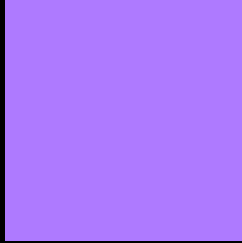
Large Text (above 18pt) WCAG AA × Fail

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 42.4651, 30.1377, 98.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

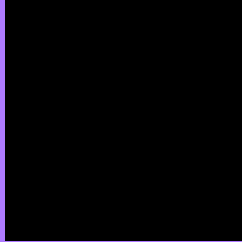
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4651, 30.1377, 98.1868

Background



This preview shows how black text looks on a background with the XYZ color 42.4651, 30.1377, 98.1868.



This preview shows how white text looks on a background with the XYZ color 42.4651, 30.1377,

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

42.4651, 30.1377, 98.1868

Protanopia

33.6957, 30.5445, 98.7275

Deuteranopia

31.4849, 30.4461, 93.8398



Tritanopia

29.9680, 29.9950, 36.5579

Trichromacy



Original Color

42.4651, 30.1377, 98.1868

Protanomaly

35.8977, 29.7005, 98.4485

Deuteranomaly

33.8609, 29.3660, 95.1503

Tritanomaly

33.4716, 29.4230, 54.3671

Monochromacy



Original Color

42.4651, 30.1377, 98.1868

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.6652, 30.6408, 52.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4651, 30.1377, 98.1868 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(174, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 122, 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(174, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4651, 30.1377, 98.1868 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(174, 122, 255) }
```


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

```
.border{ border-color:rgb(174, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4651, 30.1377, 98.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 122, 255) }
```

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

```
.background{ background-color: rgb(174,  
122, 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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