

Converting Colors

XYZ(41.9165, 30.8860, 98.3601)

Have a look what the booklet for
XYZ(41.9165, 30.8860, 98.3601)
contains.

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Color

**XYZ(41.9176, 30.9832,
98.3788)**

Conversions

Conversions Part 1

Format	Color
Hex	A880FF
RGB	168, 128, 255
RGB Percent	66%, 50%, 100%
CMY	0.3412, 0.4980, 0.0000
CMYK	0.34, 0.50, 0.00, 0.00
HSL	259°, 100%, 75%
HSV	259°, 50%, 100%
XYZ	41.9176, 30.9832, 98.3788
YIQ	154.4380, -16.9270, 47.9770

Conversions

Conversions Part 2

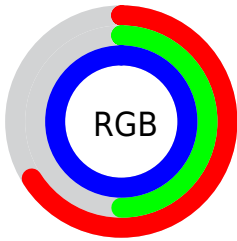
Format	Color
R _{YB}	168, 128, 255
Decimal	11043071
CIE _{Lab}	62.49, 42.25, -58.02
CIE _{LCh}	62, 71.773, 306.067
Y _{xy}	30.9832, 0.2447, 0.1809
Android (android.graphics.Color)	4289233151 (0xFFA880FF)
YUV	154.4380, 49.5771, 11.8939
Hunter-Lab	55.6626, 37.0129, -65.8262

Details

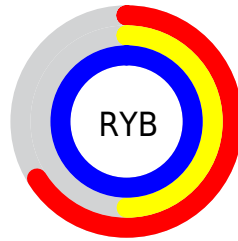
The XYZ color **41.9176, 30.9832, 98.3788** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **67.6805, 87.5255, 33.7500**, and the grayscale version is **30.7028, 32.3017, 35.1766**.

A 20% lighter version of the original color is **66.1420, 56.8446, 102.0938**, and **19.3580, 12.8595, 54.2852** is the 20% darker color. If you saturate the color by 10%, you get **35.5274, 23.3568, 97.2436**, and if you desaturate by 10%, it is **49.6453, 40.5405, 99.8162**.

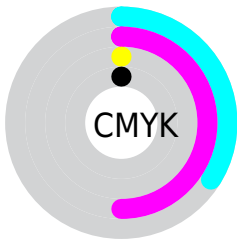
Distribution



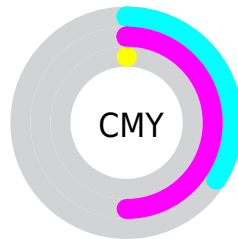
- Red (66%)
- Green (50%)
- Blue (100%)



- Red (66%)
- Yellow (50%)
- Blue (100%)



- Cyan (34%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9176, 30.9832, 98.3788 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 41.9176, 30.9832, 98.3788 by changing the saturation by 10% instead.

 41.9176, 30.9832,
98.3788

 41.9176, 30.9832,
98.3788


345.1387,
306.4609, 576.1846

 29.2276, 20.5861,
74.3380


 77.3408, 61.2136,
160.9599

 19.3982, 12.8218,
54.5722


 100.8048, 81.8157,
200.3372

 12.0641, 7.3059,
38.6631


 128.5908,
106.5882, 245.6638

 6.8598, 3.6542,
26.1919

161.0642,
135.9155, 297.3582

 3.4201, 1.4820,
16.7402

198.5903,
170.1820, 355.8390

 1.3796, 0.2760,
9.8894

241.5345,

 0.2417, 0.0000,

209.7722, 421.5246

5.2211

290.2622,
255.0704, 494.8336

■ 0.0000, 0.0000,
2.3165

■ 0.0000, 0.0000,
0.7405

■ 41.9176, 30.9832,
98.3788

■ 41.9176, 30.9832,
98.3788

■ 35.5274, 23.3568,
97.2436

■ 49.6453, 40.5405,
99.8162

■ 30.3876, 17.5202,
96.3879

■ 58.7829, 52.1494,
101.5754

■ 26.4052, 13.3174,
95.7866

■ 69.4014, 65.9245,
103.6746

■ 23.4706, 10.5629,
95.4095

■ 81.5659, 81.9709,
106.1307

■ 21.4200, 8.9654,
95.2093

95.0500, 100.0000,
108.9000

■ 21.3852, 8.9394,
95.2061

Harmonies

Analogous

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



31.4741, 30.9832, 120.2045



41.9176, 30.9832, 98.3788



50.1148, 30.9832, 60.5298

Triad

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



41.9176, 30.9832, 98.3788



37.7245, 30.9832, 4.6148



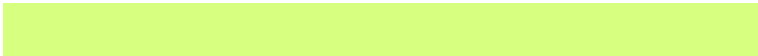
14.4671, 30.9832, 39.7322

Complementary

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



41.9176, 30.9832, 98.3788



67.6805, 87.5255, 33.7500

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.



15.4254, 30.9832, 16.3101



41.9176, 30.9832, 98.3788



27.5119, 30.9832, 3.5616

Square

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



41.9176, 30.9832, 98.3788



47.3441, 30.9832, 10.9754



19.7356, 30.9832, 6.2907



16.7486, 30.9832, 76.2280

Rectangle

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



41.9176, 30.9832, 98.3788



52.3821, 30.9832, 37.5525



19.7356, 30.9832, 6.2907



14.4292, 30.9832, 30.1862

Sweetspot

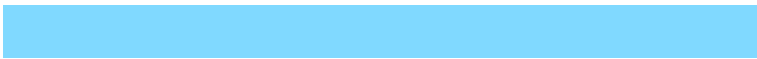
The Sweet Spot groups the original color and five complimentary colors.



41.9188, 30.9843, 98.3789



75.0471, 73.3417, 104.8087



51.7398, 61.3840, 103.7291



15.5233, 14.9873, 22.3246



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.



41.9188, 30.9843, 98.3789



35.4142, 23.2249, 97.2241



58.2746, 39.4160, 99.1444



17.5414, 17.6553, 22.7332



11.3095, 4.7407, 49.7536



1.2084, 0.5169, 4.8493

Inverse Universe

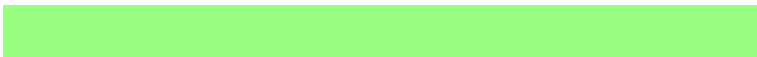
The Inverse Universe completely reimagines the original color for something new.



61.2252, 41.6053, 69.0931



57.2305, 35.2584, 62.6982



52.8694, 79.8901, 33.0568



18.5349, 18.1973, 21.4337



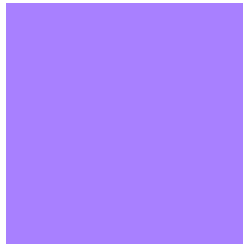
25.6463, 12.7478, 22.5855



2.5466, 1.2610, 2.4597

Previews

White Background



This preview shows how the XYZ color 41.9176, 30.9832, 98.3788 looks on a white background.

Color Contrast Check

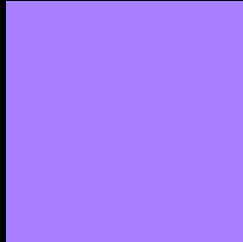
Large Text (above 18pt) WCAG AA × Fail

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 41.9176, 30.9832, 98.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

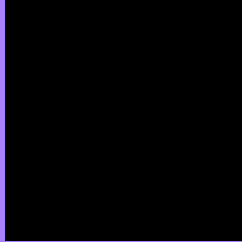
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9176, 30.9832, 98.3788

Background



This preview shows how black text looks on a background with the XYZ color 41.9176, 30.9832, 98.3788.



This preview shows how white text looks on a background with the XYZ color 41.9176, 30.9832,

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

41.9176, 30.9832, 98.3788

Protanopia

34.4656, 31.4031, 98.8526

Deuteranopia

32.4140, 31.3848, 94.7920



Tritanopia

29.8224, 30.8109, 38.5577

Trichromacy



Original Color

41.9176, 30.9832, 98.3788

Protanomaly

36.4770, 30.8589, 98.6416

Deuteranomaly

34.5956, 30.3862, 96.1372

Tritanomaly

33.3471, 30.3994, 56.3346

Monochromacy



Original Color

41.9176, 30.9832, 98.3788

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.8274, 31.3833, 53.5649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9176, 30.9832, 98.3788 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(168, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9176, 30.9832, 98.3788 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(168, 128, 255) }
```


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

```
.border{ border-color:rgb(168, 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(168, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9176, 30.9832, 98.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 128, 255) }
```

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

```
.background{ background-color: rgb(168,  
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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