

Converting Colors

XYZ(43.0160, 30.4948, 98.2266)

Have a look what the booklet for
XYZ(43.0160, 30.4948, 98.2266)
contains.

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Color

**XYZ(42.9140, 30.3692,
98.2078)**

Conversions

Conversions Part 1

Format	Color
Hex	B07AFF
RGB	176, 122, 255
RGB Percent	69%, 48%, 100%
CMY	0.3098, 0.5216, 0.0000
CMYK	0.31, 0.52, 0.00, 0.00
HSL	264°, 100%, 74%
HSV	264°, 52%, 100%
XYZ	42.9140, 30.3692, 98.2078
YIQ	153.3080, -10.5090, 52.8110

Conversions

Conversions Part 2

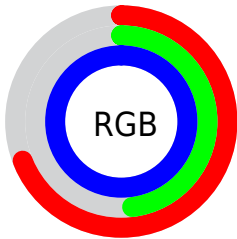
Format	Color
R _Y B	176, 122, 255
Decimal	11565823
CIE _{Lab}	61.97, 47.50, -58.80
CIE _{LCh}	62, 75.590, 308.928
Y _{xy}	30.3692, 0.2502, 0.1771
Android (android.graphics.Color)	4289755903 (0xFFB07AFF)
Y _{UV}	153.3080, 50.1342, 19.9009
Hunter-Lab	55.1083, 42.5624, -67.0843

Details

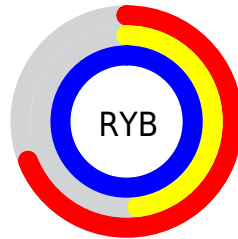
The XYZ color **42.9140, 30.3692, 98.2078** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **63.3603, 85.3427, 31.5467**, and the grayscale version is **30.2051, 31.7782, 34.6064**.

A 20% lighter version of the original color is **67.8363, 55.9328, 101.8285**, and **19.9390, 12.4596, 54.1774** is the 20% darker color. If you saturate the color by 10%, you get **36.9480, 23.2400, 97.1461**, and if you desaturate by 10%, it is **50.0856, 39.3400, 99.5613**.

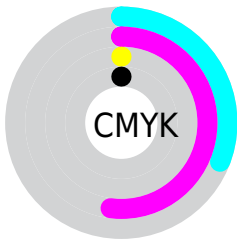
Distribution



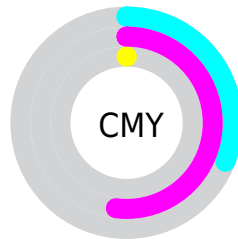
- Red (69%)
- Green (48%)
- Blue (100%)



- Red (69%)
- Yellow (48%)
- Blue (100%)



- Cyan (31%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9140, 30.3692, 98.2078 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 42.9140, 30.3692, 98.2078 by changing the saturation by 10% instead.


 42.9140, 30.3692,
98.2078

 42.9140, 30.3692,
98.2078

349.1855,
303.6216, 575.6288

 30.0119, 20.1190,
74.1961


 78.8376, 60.2456,
160.7224

 19.9957, 12.4816,
54.4568


 102.5898, 80.6405,
200.0625

 12.5002, 7.0725,
38.5713


 130.6893,
105.1858, 245.3490

 7.1599, 3.5075,
26.1212

163.5016,
134.2659, 297.0007

 3.6095, 1.4021,
16.6877

201.3921,
168.2651, 355.4359

 1.4837, 0.2183,
9.8525

244.7259,

 0.3147, 0.0000,

207.5678, 421.0734

5.1969

293.8686,
252.5586, 494.3315

■ 0.0000, 0.0000,
2.3025

■ 0.0000, 0.0000,
0.7326

■ 42.9140, 30.3692,
98.2078

■ 42.9140, 30.3692,
98.2078

■ 36.9480, 23.2400,
97.1461

■ 50.0856, 39.3400,
99.5613

■ 32.1061, 17.8114,
96.3535

■ 58.5300, 50.2725,
101.2264

■ 28.3004, 13.9260,
95.8041

■ 68.3129, 63.2801,
103.2216

■ 25.4255, 11.3937,
95.4669

■ 79.4943, 78.4667,
105.5635

■ 23.7053, 10.1354,
95.3147

■ 92.1303, 95.9287,
108.2680

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.



31.9944, 30.3692, 124.4461



42.9140, 30.3692, 98.2078



51.1203, 30.3692, 57.4491

Triad

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



42.9140, 30.3692, 98.2078



36.4491, 30.3692, 3.5509



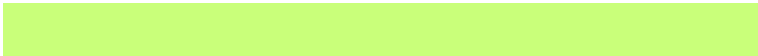
13.5829, 30.3692, 42.5011

Complementary

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



42.9140, 30.3692, 98.2078



63.3603, 85.3427, 31.5467

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.



14.2383, 30.3692, 16.7933



42.9140, 30.3692, 98.2078



25.9466, 30.3692, 2.9046

Square

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



42.9140, 30.3692, 98.2078



46.8221, 30.3692, 8.9429



18.2751, 30.3692, 5.8877



16.2100, 30.3692, 81.9570

Rectangle

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



42.9140, 30.3692, 98.2078



53.0454, 30.3692, 34.1212



18.2751, 30.3692, 5.8877



13.4427, 30.3692, 32.0345

Sweetspot

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



42.9151, 30.3703, 98.2079



75.0267, 72.3644, 104.6211



47.1504, 53.5056, 102.4503



15.5654, 14.8187, 22.2899



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.



42.9151, 30.3703, 98.2079



36.4969, 22.7180, 97.0692



61.5251, 39.9640, 99.0788



17.7013, 17.7377, 22.7407



12.5450, 5.3777, 49.8114



1.3414, 0.5854, 4.8556

Inverse Universe

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



58.7425, 39.3968, 59.7664



54.5432, 33.0355, 52.0863



49.3135, 78.1013, 30.8893



18.4622, 18.1682, 21.0513



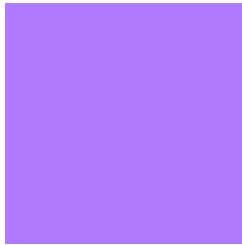
24.5632, 12.3146, 16.8820



2.4458, 1.2207, 1.9291

Previews

White Background



This preview shows how the XYZ color 42.9140, 30.3692, 98.2078 looks on a white background.

Color Contrast Check

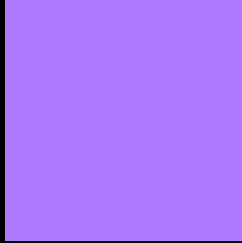
Large Text (above 18pt) WCAG AA × Fail

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 42.9140, 30.3692, 98.2078 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 42.9140, 30.3692, 98.2078

Background



This preview shows how black text looks on a background with the XYZ color 42.9140, 30.3692, 98.2078.

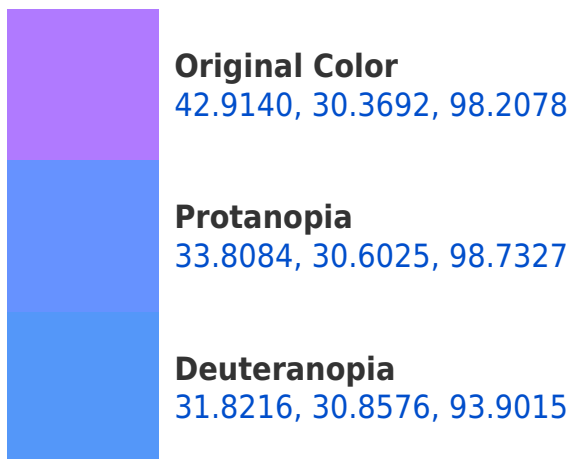


This preview shows how white text looks on a background with the XYZ color 42.9140, 30.3692,

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

30.3551, 30.1945, 36.5760

Trichromacy



Original Color

42.9140, 30.3692, 98.2078



Protanomaly

36.0489, 29.7784, 98.4556



Deuteranomaly

34.1268, 29.5031, 95.1628



Tritanomaly

33.8811, 29.6341, 54.3863

Monochromacy



Original Color

42.9140, 30.3692, 98.2078



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 42.9140, 30.3692, 98.2078 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(176, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9140, 30.3692, 98.2078 is called "border". The border property can be set on classes, ids or directly on the HTML element.

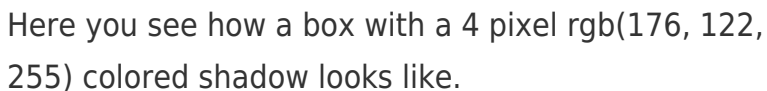
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 122, 255) }
```


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

```
.border{ border-color:rgb(176, 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(176, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 122, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 122, 255); box-shadow:4px 4px 4px 4px rgb(176, 122, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9140, 30.3692, 98.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 122, 255) }
```

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

```
.background{ background-color: rgb(176,  
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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