

Converting Colors

XYZ(55.1323, 35.5657,
166.8862)

Have a look what the booklet for
XYZ(55.1323, 35.5657, 166.8862)
contains.

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Color

**XYZ(42.0522, 30.2932,
98.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7CFF
RGB	171, 124, 255
RGB Percent	67%, 49%, 100%
CMY	0.3294, 0.5137, 0.0000
CMYK	0.33, 0.51, 0.00, 0.00
HSL	262°, 100%, 74%
HSV	262°, 51%, 100%
XYZ	42.0522, 30.2932, 98.2385
YIQ	152.9870, -14.0390, 50.7050

Conversions

Conversions Part 2

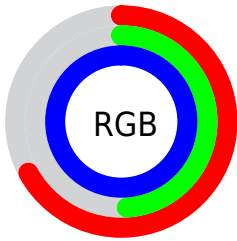
Format	Color
R_{YB}	171, 124, 255
Decimal	11238655
CIE _{Lab}	61.91, 45.19, -58.94
CIE _{LCh}	62, 74.269, 307.481
Yxy	30.2932, 0.2465, 0.1776
Android (android.graphics.Color)	4289428735 (0xFFAB7CFF)
YUV	152.9870, 50.2924, 15.7974
Hunter-Lab	55.0393, 40.0625, -67.2981

Details

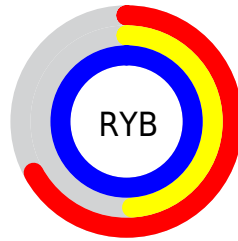
The XYZ color **42.0522, 30.2932, 98.2385** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **65.4104, 86.3850, 32.2961**, and the grayscale version is **30.0662, 31.6320, 34.4473**.

A 20% lighter version of the original color is **66.2835, 55.7188, 101.8690**, and **19.4000, 12.3737, 54.1892** is the 20% darker color. If you saturate the color by 10%, you get **35.9159, 22.9840, 97.1511**, and if you desaturate by 10%, it is **49.4575, 39.4838, 99.6222**.

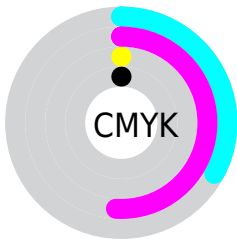
Distribution



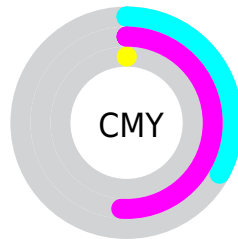
- Red (67%)
- Green (49%)
- Blue (100%)



- Red (67%)
- Yellow (49%)
- Blue (100%)



- Cyan (33%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0522, 30.2932, 98.2385 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 42.0522, 30.2932, 98.2385 by changing the saturation by 10% instead.


 42.0522, 30.2932,
98.2385

 42.0522, 30.2932,
98.2385

345.6872,
303.2687, 575.7286

 29.3335, 20.0612,
74.2216


 77.5433, 60.1255,
160.7651

 19.4788, 12.4396,
54.4775


 101.0463, 80.4947,
200.1118

 12.1228, 7.0438,
38.5878


 128.8749,
105.0118, 245.4056

 6.9001, 3.4895,
26.1339

161.3943,
134.0611, 297.0649

 3.4455, 1.3923,
16.6971

198.9698,
168.0270, 355.5083

 1.3935, 0.2110,
9.8591

241.9669,

 0.2516, 0.0000,

207.2940, 421.1544

5.2013

290.7510,
252.2465, 494.4216

■ 0.0000, 0.0000,
2.3050

■ 0.0000, 0.0000,
0.7340

■ 42.0522, 30.2932,
98.2385

■ 42.0522, 30.2932,
98.2385

■ 35.9159, 22.9840,
97.1511

■ 49.4575, 39.4838,
99.6222

■ 30.9640, 17.4145,
96.3371

■ 58.2015, 50.6767,
101.3218

■ 27.1059, 13.4275,
95.7709

■ 68.3530, 63.9861,
103.3557

■ 24.2335, 10.8337,
95.4216

■ 79.9743, 79.5166,
105.7409

■ 22.4131, 9.4693,
95.2542

■ 93.1241, 97.3659,
108.4931

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.



31.3524, 30.2932, 122.4045



42.0522, 30.2932, 98.2385



50.2912, 30.2932, 58.6893

Triad

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



42.0522, 30.2932, 98.2385



36.7468, 30.2932, 3.8625



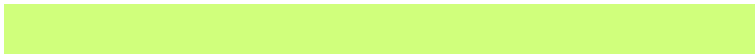
13.7013, 30.2932, 40.6326

Complementary

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



42.0522, 30.2932, 98.2385



65.4104, 86.3850, 32.2961

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.



14.5052, 30.2932, 16.1538



42.0522, 30.2932, 98.2385



26.3764, 30.2932, 3.0416

Square

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



42.0522, 30.2932, 98.2385



46.7694, 30.2932, 9.6367



18.6623, 30.2932, 5.8307



16.1377, 30.2932, 78.7341

Rectangle

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



42.0522, 30.2932, 98.2385



52.4061, 30.2932, 35.4478



18.6623, 30.2932, 5.8307



13.6136, 30.2932, 30.6373

Sweetspot

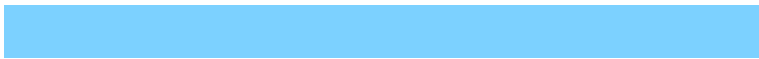
The Sweet Spot groups the original color and five complimentary colors.



42.0533, 30.2943, 98.2387



75.5839, 73.6184, 104.8338



49.2000, 57.1803, 103.0515



15.6516, 15.0535, 22.3306



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.



42.0533, 30.2943, 98.2387



35.5707, 22.5842, 97.0922



59.6347, 39.3578, 99.0615



17.6181, 17.6949, 22.7368



11.8588, 5.0239, 49.7793



1.2688, 0.5480, 4.8522

Inverse Universe

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



59.8330, 40.2299, 64.2854



55.7302, 33.8808, 57.1947



50.8392, 78.8733, 31.6142



18.4998, 18.1832, 21.2491



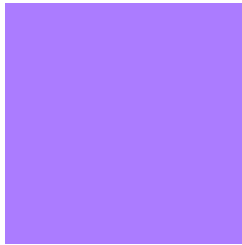
25.1009, 12.5296, 19.7134



2.4962, 1.2409, 2.1945

Previews

White Background



This preview shows how the XYZ color 42.0522, 30.2932, 98.2385 looks on a white background.

Color Contrast Check

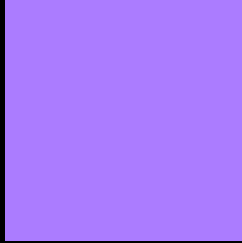
Large Text (above 18pt) WCAG AA × Fail

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 42.0522, 30.2932, 98.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

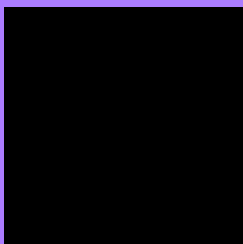
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0522, 30.2932, 98.2385

Background



This preview shows how black text looks on a background with the XYZ color 42.0522, 30.2932, 98.2385.



This preview shows how white text looks on a background with the XYZ color 42.0522, 30.2932,

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

42.0522, 30.2932, 98.2385

Protanopia

33.8084, 30.6025, 98.7327

Deuteranopia

31.6452, 30.7666, 93.8932



Tritanopia

29.7968, 30.3584, 37.0902

Trichromacy



Original Color

42.0522, 30.2932, 98.2385



Protanomaly

35.8909, 29.9090, 98.4891



Deuteranomaly

33.8769, 29.5922, 95.1931



Tritanomaly

33.2683, 29.7312, 55.0242

Monochromacy



Original Color

42.0522, 30.2932, 98.2385



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

33.4645, 30.5373, 52.8457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0522, 30.2932, 98.2385 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(171, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 124, 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(171, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 124, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0522, 30.2932, 98.2385 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(171, 124, 255) }
```


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

```
.border{ border-color:rgb(171, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 124,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0522, 30.2932, 98.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 124, 255) }
```

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

```
.background{ background-color: rgb(171,  
124, 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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