

Converting Colors

XYZ(53.9146, 43.9823,
119.7843)

Have a look what the booklet for
XYZ(53.9146, 43.9823, 119.7843)
contains.

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Color

**XYZ(50.1492, 42.4289,
100.1542)**

Conversions

Conversions Part 1

Format	Color
Hex	B7A0FF
RGB	183, 160, 255
RGB Percent	72%, 63%, 100%
CMY	0.2823, 0.3725, 0.0000
CMYK	0.28, 0.37, 0.00, 0.00
HSL	255°, 100%, 81%
HSV	255°, 37%, 100%
XYZ	50.1492, 42.4289, 100.1542
YIQ	177.7070, -16.7870, 34.4210

Conversions

Conversions Part 2

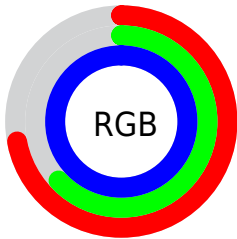
Format	Color
R _Y B	183, 160, 255
Decimal	12034303
CIE Lab	71.17, 28.31, -44.22
CIE LCh	71, 52.509, 302.632
Yxy	42.4289, 0.2602, 0.2201
Android (android.graphics.Color)	4290224383 (0xFFB7A0FF)
YUV	177.7070, 38.1054, 4.6420
Hunter-Lab	65.1375, 23.4362, -45.5670

Details

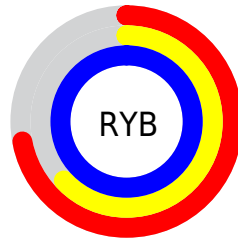
The XYZ color **50.1492, 42.4289, 100.1542** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.3843, 91.2141, 46.8922**, and the grayscale version is **41.9750, 44.1610, 48.0913**.

A 20% lighter version of the original color is **78.6261, 74.5216, 104.8478**, and **24.4577, 19.3915, 55.8800** is the 20% darker color. If you saturate the color by 10%, you get **41.8881, 32.2679, 98.6283**, and if you desaturate by 10%, it is **59.9508, 54.7315, 102.0122**.

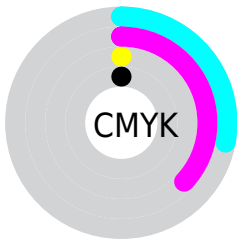
Distribution



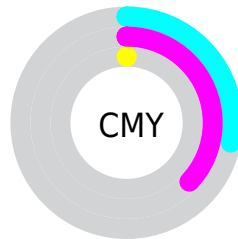
- Red (72%)
- Green (63%)
- Blue (100%)



- Red (72%)
- Yellow (63%)
- Blue (100%)



- Cyan (28%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1492, 42.4289, 100.1542 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 50.1492, 42.4289, 100.1542 by changing the saturation by 10% instead.


 50.1492, 42.4289,
100.1542


 50.1492, 42.4289,
100.1542


377.6915,
356.2578, 581.9378

 35.7502, 29.4373,
75.8117


 89.5864, 78.8483,
163.4228

 24.4106, 19.4119,
55.7724


 115.3554,
103.0449, 203.1860

 15.7649, 11.9683,
39.6177


145.6450,
131.7453, 248.9265

 9.4477, 6.7221,
26.9291

180.8208,
165.3339, 301.0629

 5.0938, 3.2889,
17.2880

221.2479,
204.1950, 360.0137

 2.3377, 1.2844,
10.2759

267.2918,

 0.8139, 0.1290,

248.7131, 426.1974

5.4743

319.3179,
299.2726, 500.0326

■ 0.0000, 0.0000,
2.4646

■ 0.0000, 0.0000,
0.8213

■ 50.1492, 42.4289,
100.1542

■ 50.1492, 42.4289,
100.1542

■ 41.8881, 32.2679,
98.6283

■ 59.9508, 54.7315,
102.0122

■ 35.0820, 24.1189,
97.4141

■ 71.3639, 69.2855,
104.2199

■ 29.6429, 17.8457,
96.4899

■ 84.4600, 86.1988,
106.7943

■ 25.4713, 13.2922,
95.8309

95.0500, 100.0000,
108.9000

■ 22.4523, 10.2765,
95.4079

■ 20.4439, 8.5669,
95.1838

■ 20.0202, 8.2357,
95.1422

Harmonies

Analogous

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



41.1087, 42.4289, 113.4177



50.1492, 42.4289, 100.1542



57.2837, 42.4289, 72.2257

Triad

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



50.1492, 42.4289, 100.1542



48.6103, 42.4289, 15.1576



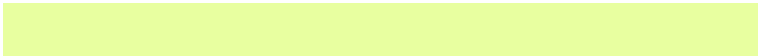
25.6854, 42.4289, 48.4570

Complementary

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



50.1492, 42.4289, 100.1542



75.3843, 91.2141, 46.8922

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.



27.0984, 42.4289, 27.3211



50.1492, 42.4289, 100.1542



39.5561, 42.4289, 12.7443

Square

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



50.1492, 42.4289, 100.1542



56.3083, 42.4289, 24.6968



31.8798, 42.4289, 16.2401



27.6983, 42.4289, 77.5380

Rectangle

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



50.1492, 42.4289, 100.1542



59.5274, 42.4289, 52.6906



31.8798, 42.4289, 16.2401



25.7757, 42.4289, 40.2617

Sweetspot

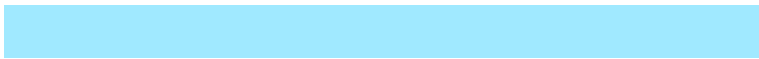
The Sweet Spot groups the original color and five complimentary colors.



50.1506, 42.4305, 100.1544



79.3522, 79.5795, 105.7858



61.6399, 72.8779, 105.4258



16.6018, 16.5385, 22.5672



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.



50.1506, 42.4305, 100.1544



43.6199, 34.3777, 98.9443



63.1480, 49.1309, 100.7627



17.4148, 17.5900, 22.7273



10.5719, 4.3605, 49.7190



1.1225, 0.4726, 4.8453

Inverse Universe

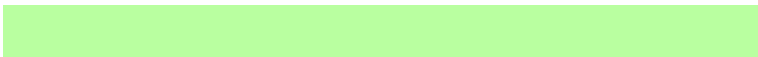
The Inverse Universe completely reimagines the original color for something new.



68.3770, 52.2291, 82.8216



64.5499, 45.6474, 78.2396



62.1942, 84.4143, 46.2749



18.5936, 18.2208, 21.7430



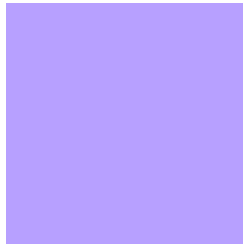
26.6555, 13.1515, 27.9001



2.6382, 1.2976, 2.9420

Previews

White Background



This preview shows how the XYZ color 50.1492, 42.4289, 100.1542 looks on a white background.

Color Contrast Check

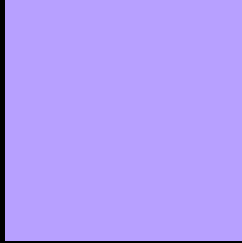
Large Text (above 18pt) WCAG AA × Fail

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 50.1492, 42.4289, 100.1542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

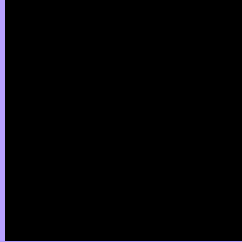
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1492, 42.4289, 100.1542

Background



This preview shows how black text looks on a background with the XYZ color 50.1492, 42.4289, 100.1542.



This preview shows how white text looks on a background with the XYZ color 50.1492, 42.4289,

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

50.1492, 42.4289, 100.1542

Protanopia

44.6566, 42.8360, 100.5223

Deuteranopia

43.8419, 42.7551, 98.0373



Tritanopia

40.7907, 42.4490, 53.6205

Trichromacy



Original Color

50.1492, 42.4289, 100.1542

Protanomaly

46.3507, 42.5962, 100.3867

Deuteranomaly

45.8328, 42.3662, 98.6904

Tritanomaly

43.7508, 42.2434, 68.1352

Monochromacy



Original Color

50.1492, 42.4289, 100.1542

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.5259, 43.2853, 64.4007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1492, 42.4289, 100.1542 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(183, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 160, 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(183, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1492, 42.4289, 100.1542 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(183, 160, 255) }
```


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

```
.border{ border-color:rgb(183, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1492, 42.4289, 100.1542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 160, 255) }
```

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

```
.background{ background-color: rgb(183,  
160, 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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