

Converting Colors

XYZ(48.4901, 42.1875, 92.2043)

Have a look what the booklet for
XYZ(48.4901, 42.1875, 92.2043)
contains.

XYZ(48.4578, 42.2570, 91.9886)	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(48.4578, 42.2570,
91.9886)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A2F5
RGB	181, 162, 245
RGB Percent	71%, 64%, 96%
CMY	0.2902, 0.3647, 0.0392
CMYK	0.26, 0.34, 0.00, 0.04
HSL	254°, 81%, 80%
HSV	254°, 34%, 96%
XYZ	48.4578, 42.2570, 91.9886
YIQ	177.1430, -15.3190, 29.8410

Conversions

Conversions Part 2

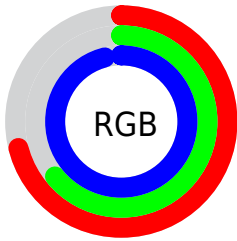
Format	Color
R_{YB}	181, 162, 245
Decimal	11903733
CIE _{Lab}	71.05, 24.23, -38.99
CIE _{LCh}	71, 45.902, 301.859
Yxy	42.2570, 0.2652, 0.2313
Android (android.graphics.Color)	4290093813 (0xFFB5A2F5)
YUV	177.1430, 33.4535, 3.3826
Hunter-Lab	65.0054, 19.3021, -38.3970

Details

The XYZ color **48.4578, 42.2570, 91.9886** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.5391, 84.0831, 46.6960**, and the grayscale version is **41.7018, 43.8736, 47.7783**.

A 20% lighter version of the original color is **78.1227, 75.0229, 104.9711**, and **23.2572, 19.2183, 50.0607** is the 20% darker color. If you saturate the color by 10%, you get **40.4219, 32.3205, 90.4949**, and if you desaturate by 10%, it is **57.9380, 54.1879, 93.7926**.

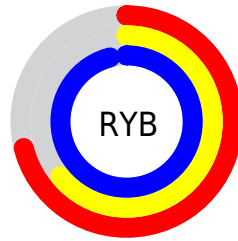
Distribution



Red (71%)

Green (64%)

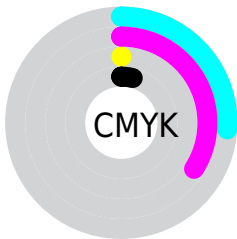
Blue (96%)



Red (71%)

Yellow (64%)

Blue (96%)

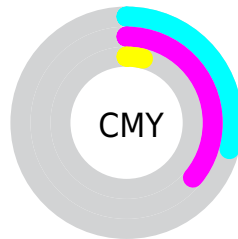


Cyan (26%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (29%)

Magenta (36%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4578, 42.2570, 91.9886 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 48.4578, 42.2570, 91.9886 by changing the saturation by 10% instead.


 48.4578, 42.2570,
91.9886


 48.4578, 42.2570,
91.9886


371.1563,
355.5472, 555.2148

 34.4023, 29.3026,
69.0482


 87.0912, 78.5884,
152.0572

 23.3672, 19.3098,
50.2789


 112.3999,
102.7342, 190.0224

 14.9871, 11.8944,
35.2624


142.1903,
131.3793, 233.8329

 8.8966, 6.6718,
23.5799

176.8278,
164.9080, 283.9074

 4.7303, 3.2577,
14.8130

216.6778,
203.7048, 340.6642

 2.1230, 1.2677,
8.5431

262.1057,

 0.7017, 0.1160,

248.1539, 404.5221

4.3516

313.4767,
298.6400, 475.8994

■ 0.0000, 0.0000,
1.8202

■ 0.0000, 0.0000,
0.4412

■ 48.4578, 42.2570,
91.9886

■ 48.4578, 42.2570,
91.9886

■ 40.4219, 32.3205,
90.4949

■ 57.9380, 54.1879,
93.7926

■ 33.7528, 24.2629,
89.2912

■ 68.9259, 68.2100,
95.9200

■ 28.3724, 17.9646,
88.3590

■ 81.4862, 84.4197,
98.3868

■ 24.1922, 13.2895,
87.6770

■ 93.4816, 99.3726,
100.6407

■ 21.1118, 10.0813,
87.2201

■ 19.0122, 8.1509,
86.9581

■ 18.1172, 7.4358,
86.8673

Harmonies

Analogous

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



40.6440, 42.2570, 102.4175



48.4578, 42.2570, 91.9886



54.6149, 42.2570, 68.9325

Triad

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



48.4578, 42.2570, 91.9886



47.5254, 42.2570, 17.9217



27.1590, 42.2570, 47.3935

Complementary

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



48.4578, 42.2570, 91.9886



70.5391, 84.0831, 46.6960

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.



28.5176, 42.2570, 28.8334



48.4578, 42.2570, 91.9886



39.6878, 42.2570, 15.4003

Square

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



48.4578, 42.2570, 91.9886



54.0302, 42.2570, 27.1314



32.8751, 42.2570, 18.6619



28.8997, 42.2570, 72.0844

Rectangle

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



48.4578, 42.2570, 91.9886



56.5948, 42.2570, 52.2520



32.8751, 42.2570, 18.6619



27.2676, 42.2570, 40.2873

Sweetspot

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



48.4593, 42.2587, 91.9896



80.5803, 81.2554, 106.0446



58.8566, 69.2225, 96.6461



16.8427, 16.8705, 22.6186



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.



48.4593, 42.2587, 91.9896



46.5693, 38.2193, 99.5303



59.3692, 47.8829, 92.5002



15.9361, 16.1097, 20.8121



9.8590, 4.0568, 46.8014



0.9527, 0.4010, 4.1174

Inverse Universe

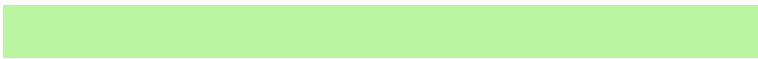
The Inverse Universe completely reimagines the original color for something new.



64.3051, 50.7456, 78.3583



66.6516, 48.9899, 81.5939



59.3077, 78.2931, 46.1703



17.0418, 16.6996, 19.9668



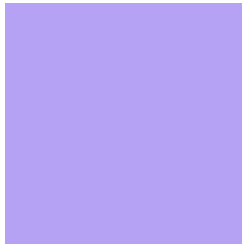
25.2849, 12.4574, 27.2724



2.2609, 1.1103, 2.6005

Previews

White Background



This preview shows how the XYZ color 48.4578, 42.2570, 91.9886 looks on a white background.

Color Contrast Check

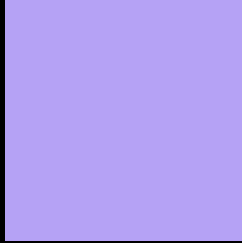
Large Text (above 18pt) WCAG AA × Fail

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 48.4578, 42.2570, 91.9886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

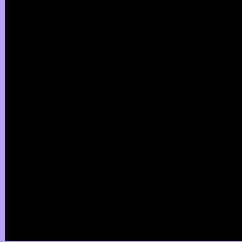
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4578, 42.2570, 91.9886

Background



This preview shows how black text looks on a background with the XYZ color 48.4578, 42.2570, 91.9886.



This preview shows how white text looks on a background with the XYZ color 48.4578, 42.2570,

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

48.4578, 42.2570, 91.9886

Protanopia

44.1662, 42.3571, 97.9434

Deuteranopia

43.5079, 42.4601, 90.6965



Tritanopia

40.6833, 42.4060, 53.0546

Trichromacy



Original Color

48.4578, 42.2570, 91.9886

Protanomaly

45.3996, 42.2157, 95.3782

Deuteranomaly

45.0297, 42.1140, 91.3434

Tritanomaly

43.2155, 42.3022, 65.5619

Monochromacy



Original Color

48.4578, 42.2570, 91.9886

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.7733, 43.2343, 61.9151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4578, 42.2570, 91.9886 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(181, 162, 245)` looks like.

```
.text, #text, p{  
    color:rgb(181, 162, 245)  
}
```

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(181, 162, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 162, 245) }
```

Border

The CSS property to change the border of an element to XYZ 48.4578, 42.2570, 91.9886 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(181, 162, 245) }
```


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

```
.border{ border-color:rgb(181, 162, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 162, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 162, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 162, 245);  
box-shadow:4px 4px 4px 4px rgb(181, 162,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4578, 42.2570, 91.9886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 162, 245) }
```

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

```
.background{ background-color: rgb(181,  
162, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor