

Converting Colors

XYZ(49.5867, 43.0156, 92.3205)

Have a look what the booklet for
XYZ(49.5867, 43.0156, 92.3205)
contains.

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Color

**XYZ(49.5862, 43.1012,
92.0921)**

Conversions

Conversions Part 1

Format	Color
Hex	B9A3F5
RGB	185, 163, 245
RGB Percent	73%, 64%, 96%
CMY	0.2745, 0.3608, 0.0392
CMYK	0.24, 0.33, 0.00, 0.04
HSL	256°, 80%, 80%
HSV	256°, 33%, 96%
XYZ	49.5862, 43.1012, 92.0921
YIQ	178.9260, -13.2100, 30.1660

Conversions

Conversions Part 2

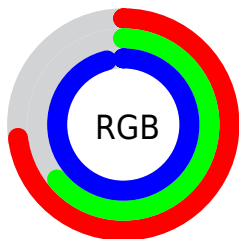
Format	Color
R _Y B	185, 163, 245
Decimal	12166133
CIE Lab	71.62, 24.82, -38.07
CIE LCh	72, 45.444, 303.109
Yxy	43.1012, 0.2684, 0.2333
Android (android.graphics.Color)	4290356213 (0xFFB9A3F5)
YUV	178.9260, 32.5745, 5.3269
Hunter-Lab	65.6515, 19.9299, -37.2125

Details

The XYZ color **49.5862, 43.1012, 92.0921** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.6957, 83.6380, 47.1224**, and the grayscale version is **42.6466, 44.8676, 48.8608**.

A 20% lighter version of the original color is **79.7394, 76.2401, 105.1208**, and **23.9675, 19.7455, 50.1250** is the 20% darker color. If you saturate the color by 10%, you get **41.5949, 33.1382, 90.5910**, and if you desaturate by 10%, it is **58.9684, 55.0340, 93.9016**.

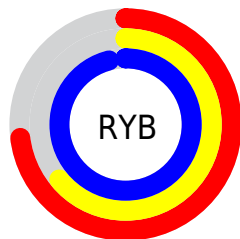
Distribution



Red (73%)

Green (64%)

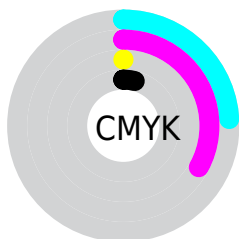
Blue (96%)



Red (73%)

Yellow (64%)

Blue (96%)

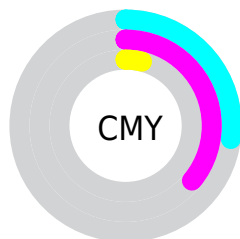


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (27%)


Magenta (36%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5862, 43.1012, 92.0921 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 49.5862, 43.1012, 92.0921 by changing the saturation by 10% instead.


 49.5862, 43.1012,
92.0921


 49.5862, 43.1012,
92.0921


375.5243,
359.0278, 555.5579

 35.3012, 29.9645,
69.1337


 88.7570, 79.8636,
152.2018

 24.0626, 19.8117,
50.3481

 114.3734,
104.2580, 190.1902

 15.5050, 12.2582,
35.3170

144.4977,
133.1739, 234.0257

 9.2632, 6.9198,
23.6216

179.4952,
166.9955, 284.1267

 4.9717, 3.4120,
14.8436

219.7312,
206.1073, 340.9120

 2.2653, 1.3504,
8.5643

265.5712,

 0.7768, 0.1797,

250.8937, 404.7999

4.3652

317.3804,
301.7391, 476.2090

■ 0.0000, 0.0000,
1.8277

■ 0.0000, 0.0000,
0.4462

■ 49.5862, 43.1012,
92.0921

■ 49.5862, 43.1012,
92.0921

■ 41.5949, 33.1382,
90.5910

■ 58.9684, 55.0340,
93.9016

■ 34.9210, 25.0316,
89.3780

■ 69.8011, 69.0311,
96.0324

■ 29.4905, 18.6645,
88.4352

■ 82.1458, 85.1871,
98.5002

■ 25.2202, 13.9039,
87.7414

■ 93.4816, 99.3726,
100.6408

■ 22.0152, 10.5970,
87.2721

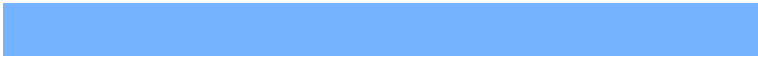
■ 19.7633, 8.5595,
86.9975

■ 18.7104, 7.7416,
86.8951

Harmonies

Analogous

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



41.7736, 43.1012, 103.1904



49.5862, 43.1012, 92.0921



55.6206, 43.1012, 68.8087

Triad

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



49.5862, 43.1012, 92.0921



48.0252, 43.1012, 18.3862



27.9038, 43.1012, 49.2644

Complementary

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



49.5862, 43.1012, 92.0921



69.6957, 83.6380, 47.1224

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.



29.1427, 43.1012, 30.2631



49.5862, 43.1012, 92.0921



40.1696, 43.1012, 16.0722

Square

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



49.5862, 43.1012, 92.0921



54.6430, 43.1012, 27.3898



33.4083, 43.1012, 19.6436



29.7865, 43.1012, 74.0718

Rectangle

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



49.5862, 43.1012, 92.0921



57.4703, 43.1012, 52.1967



33.4083, 43.1012, 19.6436



27.9697, 43.1012, 42.0298

Sweetspot

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



49.5877, 43.1029, 92.0931



80.9134, 81.4271, 106.0601



58.0103, 67.2270, 96.3056



16.9228, 16.9118, 22.6223



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.



49.5877, 43.1029, 92.0931



48.3490, 39.7498, 99.7319



60.9021, 48.9357, 92.6226



15.9982, 16.1417, 20.8150



10.1915, 4.2282, 46.8170



0.9896, 0.4200, 4.1191

Inverse Universe

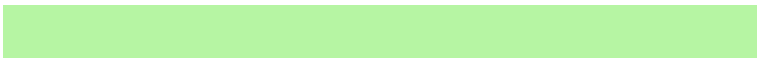
The Inverse Universe completely reimagines the original color for something new.



64.0738, 50.9361, 76.2676



66.5840, 49.6236, 79.2015



58.5875, 77.9115, 46.6025



17.0128, 16.6880, 19.8138



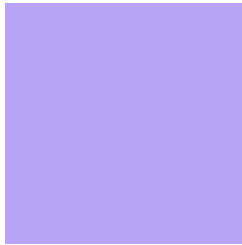
24.7448, 12.2414, 24.4283



2.2174, 1.0929, 2.3714

Previews

White Background



This preview shows how the XYZ color 49.5862, 43.1012, 92.0921 looks on a white background.

Color Contrast Check

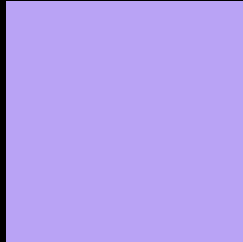
Large Text (above 18pt) WCAG AA × Fail

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 49.5862, 43.1012, 92.0921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

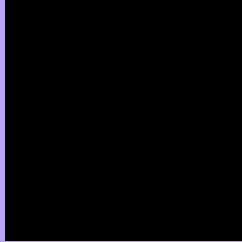
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5862, 43.1012, 92.0921

Background



This preview shows how black text looks on a background with the XYZ color 49.5862, 43.1012, 92.0921.



This preview shows how white text looks on a background with the XYZ color 49.5862, 43.1012,

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

49.5862, 43.1012, 92.0921

Protanopia

45.2509, 43.4630, 98.9327

Deuteranopia

44.2581, 43.1305, 90.7864



Tritanopia

41.6687, 42.9016, 53.6616

Trichromacy



Original Color

49.5862, 43.1012, 92.0921

Protanomaly

46.5475, 43.0646, 96.3015

Deuteranomaly

46.0342, 42.9069, 91.4436

Tritanomaly

44.2434, 42.8179, 66.2544

Monochromacy



Original Color

49.5862, 43.1012, 92.0921

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.7791, 44.0227, 62.6370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5862, 43.1012, 92.0921 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(185, 163, 245)` looks like.

```
.text, #text, p{  
    color:rgb(185, 163, 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(185, 163, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 163, 245) }
```

Border

The CSS property to change the border of an element to XYZ 49.5862, 43.1012, 92.0921 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(185, 163, 245) }
```


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

```
.border{ border-color:rgb(185, 163, 245) }
```

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

Here you see how a box with a 4 pixel rgb(185, 163, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 163, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 163, 245);  
box-shadow:4px 4px 4px 4px rgb(185, 163,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5862, 43.1012, 92.0921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 163, 245) }
```

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

```
.background{ background-color: rgb(185,  
163, 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](#).

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