

Converting Colors

XYZ(49.1423, 43.8385, 84.7765)

Have a look what the booklet for
XYZ(49.1423, 43.8385, 84.7765)
contains.

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Color

**XYZ(49.1251, 43.8354,
84.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA6EB
RGB	187, 166, 235
RGB Percent	73%, 65%, 92%
CMY	0.2667, 0.3490, 0.0784
CMYK	0.20, 0.29, 0.00, 0.08
HSL	258°, 63%, 79%
HSV	258°, 29%, 92%
XYZ	49.1251, 43.8354, 84.4692
YIQ	180.1450, -9.6330, 25.9110

Conversions

Conversions Part 2

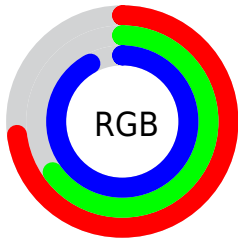
Format	Color
R_{YB}	187, 166, 235
Decimal	12297963
CIE _{Lab}	72.12, 21.44, -31.84
CIE _{LCh}	72, 38.387, 303.951
Yxy	43.8354, 0.2769, 0.2471
Android (android.graphics.Color)	4290488043 (0xFFBBA6EB)
YUV	180.1450, 27.0435, 6.0118
Hunter-Lab	66.2083, 16.5785, -29.2969

Details

The XYZ color **49.1251, 43.8354, 84.4692** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.3242, 76.4671, 47.4477**, and the grayscale version is **43.3245, 45.5808, 49.6375**.

A 20% lighter version of the original color is **81.2147, 78.1660, 105.4148**, and **23.8269, 20.2758, 45.3056** is the 20% darker color. If you saturate the color by 10%, you get **41.4630, 34.1136, 82.9973**, and if you desaturate by 10%, it is **58.0259, 55.3564, 86.2246**.

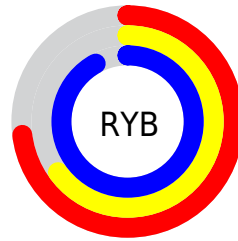
Distribution



Red (73%)

Green (65%)

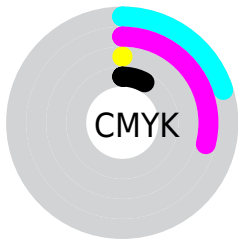
Blue (92%)



Red (73%)

Yellow (65%)

Blue (92%)

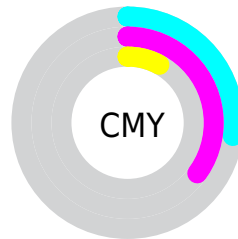


Cyan (20%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (27%)


Magenta (35%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1251, 43.8354, 84.4692 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 49.1251, 43.8354, 84.4692 by changing the saturation by 10% instead.


 49.1251, 43.8354,
84.4692


 49.1251, 43.8354,
84.4692


373.7434,
362.0362, 529.9687

 34.9337, 30.5411,
62.8553


 88.0768, 80.9700,
141.4989

 23.7781, 20.2497,
45.2839


 113.5678,
105.5791, 177.7517

 15.2929, 12.5767,
31.3365


143.5561,
134.7286, 219.7213

 9.1129, 7.1377,
20.5946

178.4069,
168.8030, 267.8261

 4.8726, 3.5484,
12.6397

218.4857,
208.1865, 322.4847

 2.2067, 1.4243,
7.0531

264.1578,

 0.7463, 0.2345,

253.2636, 384.1157

3.4164

315.7886,
304.4187, 453.1375

■ 0.0000, 0.0000,
1.3110

■ 0.0000, 0.0000,
0.0708

■ 49.1251, 43.8354,
84.4692

■ 49.1251, 43.8354,
84.4692

■ 41.4630, 34.1136,
82.9973

■ 58.0259, 55.3564,
86.2246

■ 34.9776, 26.0929,
81.7909

■ 68.2149, 68.7575,
88.2742

■ 29.6075, 19.6734,
80.8349

■ 79.7440, 84.1208,
90.6320

■ 25.2840, 14.7425,
80.1110

■ 91.0436, 98.2875,
92.7709

■ 21.9297, 11.1727,
79.5987

■ 91.9955, 98.7782,
92.8154

■ 19.4548, 8.8132,
79.2738

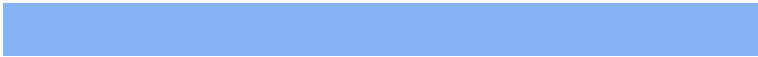
■ 17.7267, 7.4304,
79.0979

■ 17.6323, 7.3575,
79.0888

Harmonies

Analogous

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



42.5408, 43.8354, 93.6840



49.1251, 43.8354, 84.4692



54.0753, 43.8354, 65.4445

Triad

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



49.1251, 43.8354, 84.4692



47.4614, 43.8354, 22.0457



30.2897, 43.8354, 50.2661

Complementary

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



49.1251, 43.8354, 84.4692



64.3242, 76.4671, 47.4477

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.



31.3142, 43.8354, 33.5396



49.1251, 43.8354, 84.4692



40.7998, 43.8354, 19.9699

Square

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



49.1251, 43.8354, 84.4692



53.0461, 43.8354, 30.2410



34.9998, 43.8354, 23.5692



32.0394, 43.8354, 70.9200

Rectangle

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



49.1251, 43.8354, 84.4692



55.5313, 43.8354, 51.6439



34.9998, 43.8354, 23.5692



30.3223, 43.8354, 44.0177

Sweetspot

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



49.1266, 43.8372, 84.4702



82.5290, 83.3181, 106.3400



54.8453, 62.3517, 87.7425



17.2581, 17.2955, 22.6787



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.



49.1266, 43.8372, 84.4702



53.6107, 45.7275, 100.6084



58.5127, 48.6759, 84.9095



14.6623, 14.7712, 19.0006



9.9267, 4.1533, 44.0214



0.8741, 0.3749, 3.4612

Inverse Universe

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



60.0361, 49.7914, 70.0665



68.8119, 54.0341, 80.0837



55.3686, 71.8503, 47.0285



15.5082, 15.2312, 17.9617



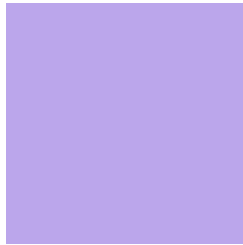
22.8304, 11.3349, 20.7062



1.8352, 0.9070, 1.8495

Previews

White Background



This preview shows how the XYZ color 49.1251, 43.8354, 84.4692 looks on a white background.

Color Contrast Check

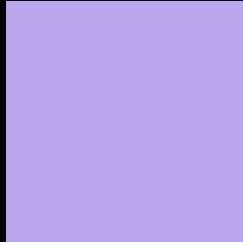
Large Text (above 18pt) WCAG AA × Fail

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 49.1251, 43.8354, 84.4692 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 49.1251, 43.8354, 84.4692

Background



This preview shows how black text looks on a background with the XYZ color 49.1251, 43.8354, 84.4692.



This preview shows how white text looks on a background with the XYZ color 49.1251, 43.8354,

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

49.1251, 43.8354, 84.4692

Protanopia

45.1118, 44.1789, 89.3688

Deuteranopia

44.9483, 43.9418, 83.2034



Tritanopia

43.1057, 43.9178, 54.3492

Trichromacy



Original Color

49.1251, 43.8354, 84.4692

Protanomaly

46.4810, 44.0619, 87.7163

Deuteranomaly

46.4275, 43.8370, 83.8563

Tritanomaly

45.1845, 43.9064, 64.4858

Monochromacy



Original Color

49.1251, 43.8354, 84.4692

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.2837, 44.8974, 60.9229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1251, 43.8354, 84.4692 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(187, 166, 235)` looks like.

```
.text, #text, p{  
    color:rgb(187, 166, 235)  
}
```

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(187, 166, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 166, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.1251, 43.8354, 84.4692 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(187, 166, 235) }
```


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

```
.border{ border-color:rgb(187, 166, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 166, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 166, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 166, 235);  
box-shadow:4px 4px 4px 4px rgb(187, 166,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1251, 43.8354, 84.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 166, 235) }
```

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

```
.background{ background-color: rgb(187,  
166, 235) }
```

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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