

Converting Colors

XYZ(49.3220, 43.6515, 82.2072)

Have a look what the booklet for
XYZ(49.3220, 43.6515, 82.2072)
contains.

XYZ(49.2558, 43.6836, 82.1796)	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(49.2558, 43.6836,
82.1796)**

Conversions

Conversions Part 1

Format	Color
Hex	BEA5E8
RGB	190, 165, 232
RGB Percent	75%, 65%, 91%
CMY	0.2549, 0.3529, 0.0902
CMYK	0.18, 0.29, 0.00, 0.09
HSL	262°, 59%, 78%
HSV	262°, 29%, 91%
XYZ	49.2558, 43.6836, 82.1796
YIQ	180.1130, -6.6070, 26.1370

Conversions

Conversions Part 2

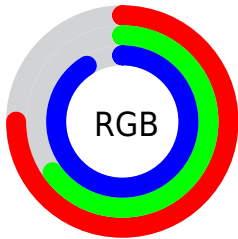
Format	Color
R_{YB}	190, 165, 232
Decimal	12494312
CIE _{Lab}	72.02, 22.23, -30.34
CIE _{LCh}	72, 37.616, 306.232
Yxy	43.6836, 0.2813, 0.2495
Android (android.graphics.Color)	4290684392 (0xFFBEA5E8)
YUV	180.1130, 25.5803, 8.6709
Hunter-Lab	66.0936, 17.3622, -27.4547

Details

The XYZ color **49.2558, 43.6836, 82.1796** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.3816, 73.6962, 46.5888**, and the grayscale version is **43.3138, 45.5695, 49.6252**.

A 20% lighter version of the original color is **82.0010, 78.1806, 105.3762**, and **23.8949, 20.1791, 43.7098** is the 20% darker color. If you saturate the color by 10%, you get **41.9918, 34.2811, 80.7483**, and if you desaturate by 10%, it is **57.6442, 54.7946, 83.8828**.

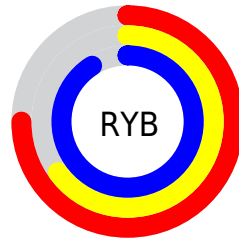
Distribution



Red (75%)

Green (65%)

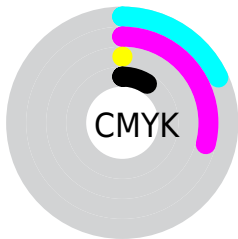
Blue (91%)



Red (75%)

Yellow (65%)

Blue (91%)

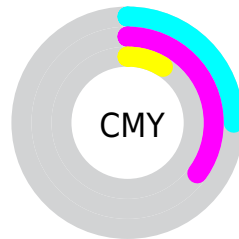


Cyan (18%)

Magenta (29%)

Yellow (0%)

Black (9%)



Cyan (25%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2558, 43.6836, 82.1796 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 49.2558, 43.6836, 82.1796 by changing the saturation by 10% instead.

■ 49.2558, 43.6836,
82.1796

■ 49.2558, 43.6836,
82.1796

374.2488,
361.4156, 522.1475

■ 35.0378, 30.4218,
60.9769

■ 88.2697, 80.7414,
138.2648

■ 23.8587, 20.1590,
43.7761

■ 113.7963,
105.3063, 173.9843

■ 15.3530, 12.5107,
30.1586

143.8232,
134.4076, 215.3799

■ 9.1554, 7.0925,
19.7059

178.7157,
168.4299, 262.8701

■ 4.9006, 3.5200,
11.9995

218.8391,
207.7574, 316.8734

■ 2.2232, 1.4089,
6.6208

264.5589,

■ 0.7549, 0.2232,

252.7746, 377.8084

3.1513

316.2403,
303.8658, 446.0936

■ 0.0000, 0.0000,
1.1724

■ 0.0000, 0.0000,
0.0000

■ 49.2558, 43.6836,
82.1796

■ 49.2558, 43.6836,
82.1796

■ 41.9918, 34.2811,
80.7483

■ 57.6442, 54.7946,
83.8828

■ 35.7963, 26.4940,
79.5718

■ 67.2007, 67.6898,
85.8682

■ 30.6145, 20.2287,
78.6356

■ 77.9720, 82.4469,
88.1489

■ 26.3850, 15.3790,
77.9224

■ 89.0996, 97.3350,
90.4361

■ 23.0385, 11.8248,
77.4128

■ 91.5656, 98.6062,
90.5515

■ 20.4946, 9.4246,
77.0836

■ 18.6371, 7.9671,
76.9001

■ 18.4557, 7.8316,
76.8835

Harmonies

Analogous

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



42.8751, 43.6836, 92.1011



49.2558, 43.6836, 82.1796



53.8794, 43.6836, 63.2911

Triad

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



49.2558, 43.6836, 82.1796



46.6991, 43.6836, 21.9817



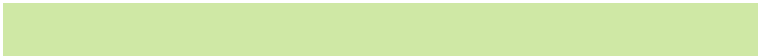
30.4130, 43.6836, 51.5078

Complementary

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



49.2558, 43.6836, 82.1796



61.3816, 73.6962, 46.5888

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.



31.2118, 43.6836, 34.6853



49.2558, 43.6836, 82.1796



40.1937, 43.6836, 20.3553

Square

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



49.2558, 43.6836, 82.1796



52.3001, 43.6836, 29.5715



34.6397, 43.6836, 24.3577



32.3333, 43.6836, 71.6823

Rectangle

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



49.2558, 43.6836, 82.1796



55.1030, 43.6836, 49.9265



34.6397, 43.6836, 24.3577



30.3754, 43.6836, 45.2772

Sweetspot

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



49.2572, 43.6854, 82.1806



83.0644, 83.5942, 106.3651



52.5019, 58.6629, 84.9005



17.3895, 17.3632, 22.6849



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.



49.2572, 43.6854, 82.1806



55.2077, 46.5508, 100.6832



58.4738, 48.4367, 82.6119



14.0883, 14.1478, 18.1326



10.3738, 4.4138, 42.6884



0.8667, 0.3778, 3.1592

Inverse Universe

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



57.9976, 48.5728, 65.3518



67.9752, 53.6994, 75.6778



53.0903, 69.4219, 46.2008



14.7551, 14.5192, 16.9107



21.3939, 10.6918, 16.2353



1.6256, 0.8079, 1.4347

Previews

White Background



This preview shows how the XYZ color 49.2558, 43.6836, 82.1796 looks on a white background.

Color Contrast Check

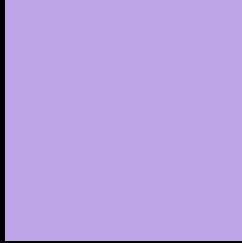
Large Text (above 18pt) WCAG AA × Fail

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 49.2558, 43.6836, 82.1796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

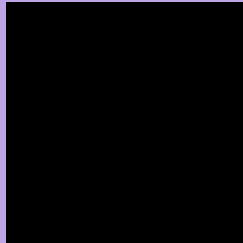
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2558, 43.6836, 82.1796

Background



This preview shows how black text looks on a background with the XYZ color 49.2558, 43.6836, 82.1796.



This preview shows how white text looks on a background with the XYZ color 49.2558, 43.6836,

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

49.2558, 43.6836, 82.1796

Protanopia

44.8166, 43.7732, 87.7483

Deuteranopia

44.9360, 43.9846, 80.9844



Tritanopia

43.3971, 43.8050, 53.1817

Trichromacy



Original Color

49.2558, 43.6836, 82.1796

Protanomaly

46.2808, 43.7280, 85.3580

Deuteranomaly

46.4423, 43.8940, 81.6259

Tritanomaly

45.3500, 43.7519, 62.5547

Monochromacy



Original Color

49.2558, 43.6836, 82.1796

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.4059, 44.9738, 60.3205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2558, 43.6836, 82.1796 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(190, 165, 232)` looks like.

```
.text, #text, p{  
    color:rgb(190, 165, 232)  
}
```

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(190, 165, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 165, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.2558, 43.6836, 82.1796 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(190, 165, 232) }
```


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

```
.border{ border-color:rgb(190, 165, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 165, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 165, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 165, 232);  
box-shadow:4px 4px 4px 4px rgb(190, 165,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2558, 43.6836, 82.1796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 165, 232) }
```

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

```
.background{ background-color: rgb(190,  
165, 232) }
```

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