

Converting Colors

XYZ(49.5030, 45.1660, 85.4663)

Have a look what the booklet for
XYZ(49.5030, 45.1660, 85.4663)
contains.

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Color

**XYZ(49.5226, 45.1199,
85.4558)**

Conversions

Conversions Part 1

Format	Color
Hex	B9AAEC
RGB	185, 170, 236
RGB Percent	73%, 67%, 93%
CMY	0.2745, 0.3333, 0.0745
CMYK	0.22, 0.28, 0.00, 0.07
HSL	254°, 63%, 80%
HSV	254°, 28%, 93%
XYZ	49.5226, 45.1199, 85.4558
YIQ	182.0090, -12.2460, 23.7060

Conversions

Conversions Part 2

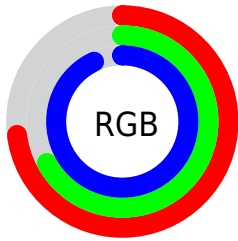
Format	Color
RYB	185, 170, 236
Decimal	12167916
CIELab	72.97, 18.84, -31.09
CIELCh	73, 36.351, 301.224
Yxy	45.1199, 0.2750, 0.2505
Android (android.graphics.Color)	4290357996 (0xFFB9AAEC)
YUV	182.0090, 26.6176, 2.6231
Hunter-Lab	67.1713, 14.0507, -28.4092

Details

The XYZ color **49.5226, 45.1199, 85.4558** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.0714, 78.2665, 49.6041**, and the grayscale version is **44.3340, 46.6429, 50.7941**.

A 20% lighter version of the original color is **81.5932, 79.9477, 105.7388**, and **24.0767, 21.0774, 45.9794** is the 20% darker color. If you saturate the color by 10%, you get **41.3686, 34.9287, 83.9192**, and if you desaturate by 10%, it is **59.0380, 57.1939, 87.2855**.

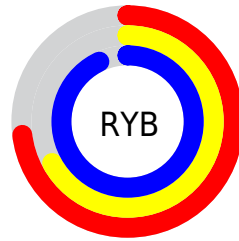
Distribution



Red (73%)

Green (67%)

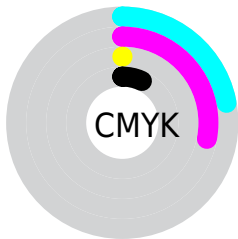
Blue (93%)



Red (73%)

Yellow (67%)

Blue (93%)

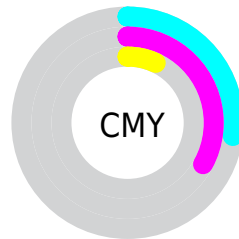


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5226, 45.1199, 85.4558 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 49.5226, 45.1199, 85.4558 by changing the saturation by 10% instead.

■ 49.5226, 45.1199,
85.4558

■ 49.5226, 45.1199,
85.4558

375.2790,
367.2589, 533.3190

■ 35.2505, 31.5519,
63.6657

■ 88.6632, 82.9003,
142.8896

■ 24.0233, 21.0194,
45.9355

114.2624,
107.8815, 179.3705

■ 15.4757, 13.1382,
31.8467

144.3679,
137.4358, 221.5854

■ 9.2424, 7.5238,
20.9806

179.3452,
171.9477, 269.9528

■ 4.9580, 3.7918,
12.9187

219.5596,
211.8016, 324.8914

■ 2.2572, 1.5578,
7.2425

265.3765,

■ 0.7726, 0.3289,

257.3818, 386.8195

3.5335

317.1612,
309.0728, 456.1559

■ 0.0000, 0.0000,
1.3731

■ 0.0000, 0.0000,
0.1206

■ 49.5226, 45.1199,
85.4558

■ 49.5226, 45.1199,
85.4558

■ 41.3686, 34.9287,
83.9192

■ 59.0380, 57.1939,
87.2855

■ 34.5077, 26.5188,
82.6575

■ 69.9699, 71.2342,
89.4194

■ 28.8724, 19.7875,
81.6553

■ 82.3756, 87.3260,
91.8716

■ 24.3868, 14.6190,
80.8941

■ 92.1405, 98.8362,
93.5786

■ 20.9661, 10.8826,
80.3532

■ 18.5127, 8.4254,
80.0082

■ 16.8997, 7.0405,
79.8259

■ 16.6422, 6.8303,
79.7989

Harmonies

Analogous

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



43.1462, 45.1199, 92.9717



49.5226, 45.1199, 85.4558



54.4869, 45.1199, 67.9315

Triad

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



49.5226, 45.1199, 85.4558



49.0276, 45.1199, 24.4334



31.8117, 45.1199, 49.8778

Complementary

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



49.5226, 45.1199, 85.4558



67.0714, 78.2665, 49.6041

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.



33.0595, 45.1199, 34.1601



49.5226, 45.1199, 85.4558



42.6251, 45.1199, 21.8294

Square

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



49.5226, 45.1199, 85.4558



54.1819, 45.1199, 33.1558



36.8689, 45.1199, 24.9047



33.2790, 45.1199, 69.5481

Rectangle

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



49.5226, 45.1199, 85.4558



56.1017, 45.1199, 54.6515



36.8689, 45.1199, 24.9047



31.9266, 45.1199, 43.9896

Sweetspot

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



49.5241, 45.1217, 85.4568



83.3203, 84.7997, 106.5843



57.7610, 66.6869, 89.1852



17.3891, 17.5768, 22.7261



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.



49.5241, 45.1217, 85.4568



52.8479, 46.0279, 100.7066



58.2210, 49.6052, 85.8638



14.5514, 14.7140, 18.9954



9.2659, 3.8127, 43.9905



0.8093, 0.3415, 3.4581

Inverse Universe

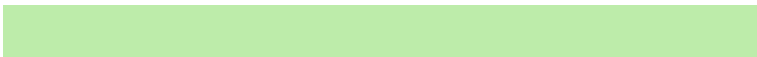
The Inverse Universe completely reimagines the original color for something new.



62.0194, 51.8046, 75.1390



70.3364, 55.3915, 85.8067



58.1645, 73.6748, 49.1873



15.5598, 15.2518, 18.2333



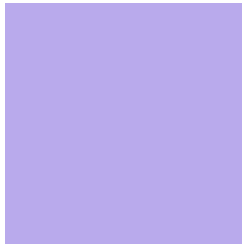
23.7944, 11.7204, 25.7824



1.9042, 0.9346, 2.2128

Previews

White Background



This preview shows how the XYZ color 49.5226, 45.1199, 85.4558 looks on a white background.

Color Contrast Check

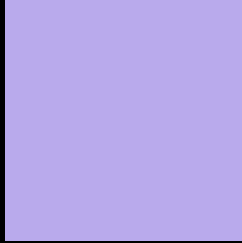
Large Text (above 18pt) WCAG AA × Fail

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 49.5226, 45.1199, 85.4558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

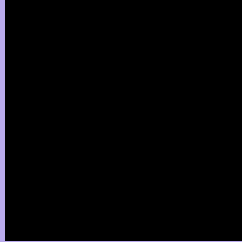
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5226, 45.1199, 85.4558

Background



This preview shows how black text looks on a background with the XYZ color 49.5226, 45.1199, 85.4558.



This preview shows how white text looks on a background with the XYZ color 49.5226, 45.1199,

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

49.5226, 45.1199, 85.4558

Protanopia

46.2973, 45.3722, 89.5367

Deuteranopia

46.2466, 45.1558, 84.8757



Tritanopia

43.5663, 44.9937, 56.2576

Trichromacy



Original Color

49.5226, 45.1199, 85.4558

Protanomaly

47.2936, 45.0501, 87.8643

Deuteranomaly

47.3650, 45.1545, 84.8165

Tritanomaly

45.5375, 44.9173, 65.9443

Monochromacy



Original Color

49.5226, 45.1199, 85.4558

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.1095, 46.1723, 62.3590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5226, 45.1199, 85.4558 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, 170, 236)` looks like.

```
.text, #text, p{  
    color:rgb(185, 170, 236)  
}
```

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, 170, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 170, 236) }
```

Border

The CSS property to change the border of an element to XYZ 49.5226, 45.1199, 85.4558 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, 170, 236) }
```


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

```
.border{ border-color:rgb(185, 170, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 170, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 170, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 170, 236);  
box-shadow:4px 4px 4px 4px rgb(185, 170,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5226, 45.1199, 85.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 170, 236) }
```

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

```
.background{ background-color: rgb(185,  
170, 236) }
```

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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