

Converting Colors

XYZ(45.9581, 39.6446, 74.2318)

Have a look what the booklet for
XYZ(45.9581, 39.6446, 74.2318)
contains.

XYZ(45.8924, 39.5354, 74.3195)	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(45.8924, 39.5354,
74.3195)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9BDE
RGB	189, 155, 222
RGB Percent	74%, 61%, 87%
CMY	0.2588, 0.3921, 0.1294
CMYK	0.15, 0.30, 0.00, 0.13
HSL	270°, 50%, 74%
HSV	270°, 30%, 87%
XYZ	45.8924, 39.5354, 74.3195
YIQ	172.8040, -1.2430, 28.0450

Conversions

Conversions Part 2

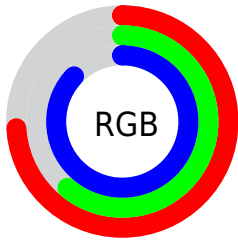
Format	Color
R_{YB}	189, 155, 222
Decimal	12426206
CIE _{Lab}	69.14, 25.29, -29.31
CIE _{LCh}	69, 38.706, 310.789
Yxy	39.5354, 0.2873, 0.2475
Android (android.graphics.Color)	4290616286 (0xFFBD9BDE)
YUV	172.8040, 24.2536, 14.2039
Hunter-Lab	62.8772, 20.2474, -26.0655

Details

The XYZ color **45.8924, 39.5354, 74.3195** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.7779, 65.3014, 40.8348**, and the grayscale version is **39.5027, 41.5599, 45.2587**.

A 20% lighter version of the original color is **79.1026, 72.9060, 104.5109**, and **21.8170, 17.6414, 38.8145** is the 20% darker color. If you saturate the color by 10%, you get **39.9212, 31.4683, 73.0777**, and if you desaturate by 10%, it is **52.7499, 49.0695, 75.7990**.

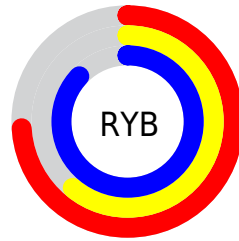
Distribution



Red (74%)

Green (61%)

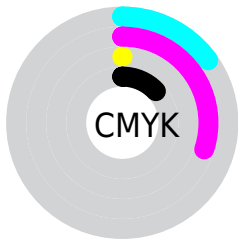
Blue (87%)



Red (74%)

Yellow (61%)

Blue (87%)

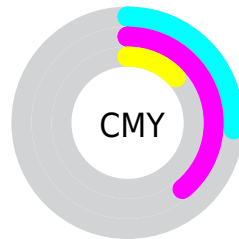


Cyan (15%)

Magenta (30%)

Yellow (0%)

Black (13%)



Cyan (26%)


Magenta (39%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8924, 39.5354, 74.3195 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 45.8924, 39.5354, 74.3195 by changing the saturation by 10% instead.


 45.8924, 39.5354,
74.3195

 45.8924, 39.5354,
74.3195


361.0991,
344.1614, 494.7682

 32.3652, 27.1765,
54.5572


 83.2868, 74.4555,
127.0868

 21.7975, 17.7058,
38.6511


 107.8847, 97.7855,
160.9290

 13.8239, 10.7390,
26.1827


136.9035,
125.5413, 200.3015

 8.0792, 5.8916,
16.7334

170.7086,
158.1073, 245.6228

 4.1979, 2.7793,
9.8846

209.6654,
195.8680, 297.3117

 1.8147, 1.0176,
5.2179

254.1391,

 0.5265, 0.0000,

239.2076, 355.7865

2.3147

304.4953,
288.5106, 421.4658

■ 0.0000, 0.0000,
0.7394

■ 0.0000, 0.0000,
0.0000

■ 45.8924, 39.5354,
74.3195

■ 45.8924, 39.5354,
74.3195

■ 39.9212, 31.4683,
73.0777

■ 52.7499, 49.0695,
75.7990

■ 34.7907, 24.7866,
72.0584

■ 60.5285, 60.1368,
77.5252

■ 30.4567, 19.4076,
71.2486

■ 69.2658, 72.8054,
79.5100

■ 26.8687, 15.2380,
70.6329

■ 78.9961, 87.1375,
81.7635

■ 23.9699, 12.1711,
70.1937

■ 86.1402, 95.9689,
83.0916

■ 21.6932, 10.0805,
69.9102

■ 90.0411, 97.9798,
83.2742

■ 19.9508, 8.7619,
69.7475

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



39.8472, 39.5354, 85.9114



45.8924, 39.5354, 74.3195



49.9609, 39.5354, 55.2528

Triad

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



45.8924, 39.5354, 74.3195



41.6271, 39.5354, 18.2331



27.0654, 39.5354, 49.7416

Complementary

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



45.8924, 39.5354, 74.3195



52.7779, 65.3014, 40.8348

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.



27.4302, 39.5354, 32.7863



45.8924, 39.5354, 74.3195



35.3951, 39.5354, 17.5128

Square

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



45.8924, 39.5354, 74.3195



47.3177, 39.5354, 24.4134



30.3325, 39.5354, 22.0697



29.2745, 39.5354, 69.3455

Rectangle

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



45.8924, 39.5354, 74.3195



50.7644, 39.5354, 42.5802



30.3325, 39.5354, 22.0697



26.8978, 39.5354, 43.5179

Sweetspot

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



45.8937, 39.5370, 74.3204



84.1236, 84.1402, 106.4146



44.7940, 48.4244, 76.0938



17.6498, 17.4974, 22.6970



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.



45.8937, 39.5370, 74.3204



57.6998, 47.1555, 100.6686



55.0314, 44.2477, 74.7480



13.6118, 13.5834, 17.2921



11.9790, 5.2707, 41.4343



0.9336, 0.4186, 2.8768

Inverse Universe

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



50.9238, 42.6047, 53.1180



65.8091, 52.1000, 66.5305



45.5565, 61.5786, 40.4968



13.9872, 13.8125, 15.7030



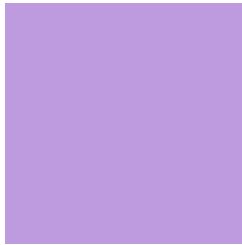
19.5997, 9.9069, 9.8239



1.4037, 0.7048, 0.9188

Previews

White Background



This preview shows how the XYZ color 45.8924, 39.5354, 74.3195 looks on a white background.

Color Contrast Check

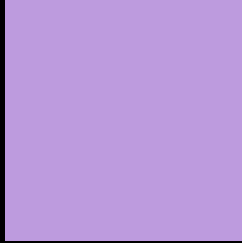
Large Text (above 18pt) WCAG AA × Fail

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 45.8924, 39.5354, 74.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

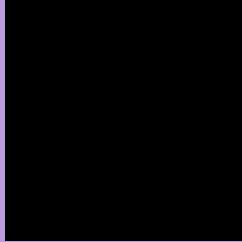
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8924, 39.5354, 74.3195

Background



This preview shows how black text looks on a background with the XYZ color 45.8924, 39.5354, 74.3195.



This preview shows how white text looks on a background with the XYZ color 45.8924, 39.5354,

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

45.8924, 39.5354, 74.3195

Protanopia

40.8202, 39.8910, 81.1496

Deuteranopia

40.6550, 39.7088, 73.2320



Tritanopia

40.5027, 39.6703, 47.1174

Trichromacy



Original Color

45.8924, 39.5354, 74.3195

Protanomaly

42.4106, 39.6883, 78.8241

Deuteranomaly

42.3337, 39.4961, 73.7989

Tritanomaly

42.3781, 39.6543, 55.8726

Monochromacy



Original Color

45.8924, 39.5354, 74.3195

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.6306, 40.6177, 54.9361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8924, 39.5354, 74.3195 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(189, 155, 222)` looks like.

```
.text, #text, p{  
    color:rgb(189, 155, 222)  
}
```

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(189, 155, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 155, 222) }
```

Border

The CSS property to change the border of an element to XYZ 45.8924, 39.5354, 74.3195 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(189, 155, 222) }
```


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

```
.border{ border-color:rgb(189, 155, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 155, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 155, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 155, 222);  
box-shadow:4px 4px 4px 4px rgb(189, 155,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8924, 39.5354, 74.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 155, 222) }
```

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

```
.background{ background-color: rgb(189,  
155, 222) }
```

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