

Converting Colors

XYZ(45.3571, 35.0224, 72.5339)

Have a look what the booklet for
XYZ(45.3571, 35.0224, 72.5339)
contains.

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Color

**XYZ(45.4085, 34.9709,
72.7634)**

Conversions

Conversions Part 1

Format	Color
Hex	C788DD
RGB	199, 136, 221
RGB Percent	78%, 53%, 87%
CMY	0.2196, 0.4667, 0.1333
CMYK	0.10, 0.38, 0.00, 0.13
HSL	284°, 56%, 70%
HSV	284°, 38%, 87%
XYZ	45.4085, 34.9709, 72.7634
YIQ	164.5270, 10.2630, 39.7910

Conversions

Conversions Part 2

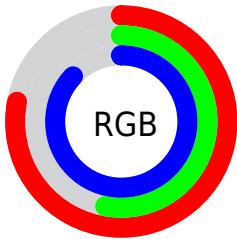
Format	Color
RYB	199, 136, 221
Decimal	13076701
CIELab	65.73, 38.61, -33.95
CIELCh	66, 51.410, 318.673
Yxy	34.9709, 0.2965, 0.2284
Android (android.graphics.Color)	4291266781 (0xFFC788DD)
YUV	164.5270, 27.8412, 30.2328
Hunter-Lab	59.1362, 33.5752, -31.5573

Details

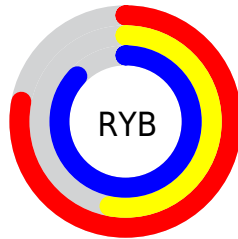
The XYZ color **45.4085, 34.9709, 72.7634** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **44.4021, 60.7604, 32.6818**, and the grayscale version is **35.4067, 37.2506, 40.5659**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **21.6330, 15.1795, 37.8661** is the 20% darker color. If you saturate the color by 10%, you get **41.1220, 28.6081, 71.7617**, and if you desaturate by 10%, it is **50.3961, 42.6494, 73.9832**.

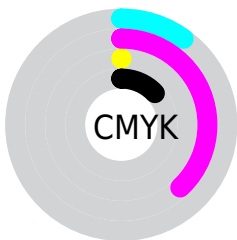
Distribution



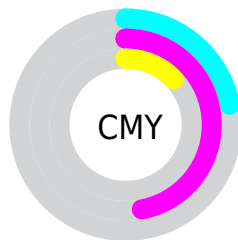
- Red (78%)
- Green (53%)
- Blue (87%)



- Red (78%)
- Yellow (53%)
- Blue (87%)



- Cyan (10%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)





- Cyan (22%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4085, 34.9709, 72.7634 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 45.4085, 34.9709, 72.7634 by changing the saturation by 10% instead.

 45.4085, 34.9709,
72.7634

 45.4085, 34.9709,
72.7634


359.1814,
324.4399, 489.2432


 31.9820, 23.6405,
53.2919


 82.5664, 67.4407,
124.8591

 21.5032, 15.0671,
37.6465


 107.0284, 89.3488,
158.3203

 13.6069, 8.8665,
25.4087


 135.8996,
115.5516, 197.2818

 7.9276, 4.6542,
16.1601

169.5454,
146.4335, 242.1622

 4.1001, 2.0458,
9.4819

208.3312,
182.3789, 293.3800

 1.7589, 0.6339,
4.9557

252.6222,

 0.4927, 0.0000,

223.7722, 351.3537

2.1630

302.7838,
270.9977, 416.5019

■ 0.0000, 0.0000,
0.6529

■ 0.0000, 0.0000,
0.0000

■ 45.4085, 34.9709,
72.7634

■ 45.4085, 34.9709,
72.7634

■ 41.1220, 28.6081,
71.7617

■ 50.3961, 42.6494,
73.9832

■ 37.4927, 23.4767,
70.9625

■ 56.1181, 51.7122,
75.4309

■ 34.4770, 19.4897,
70.3519

■ 62.6100, 62.2282,
77.1185

■ 32.0242, 16.5465,
69.9131

■ 69.9038, 74.2605,
79.0566

30.0744, 14.5284,
69.6263

78.0294, 87.8684,
81.2549

28.5392, 13.2597,
69.4624

82.5207, 94.1183,
82.2245

28.3201, 13.0919,
69.4415

84.4219, 95.0985,
82.3135

86.3843, 96.1101,
82.4053

88.4084, 97.1536,
82.5001

Harmonies

Analogous

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



38.1190, 34.9709, 92.7813



45.4085, 34.9709, 72.7634



49.6473, 34.9709, 46.8642

Triad

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



45.4085, 34.9709, 72.7634



36.1799, 34.9709, 10.0877



21.2704, 34.9709, 53.0402

Complementary

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



45.4085, 34.9709, 72.7634



44.4021, 60.7604, 32.6818

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.



20.9141, 34.9709, 30.4638



45.4085, 34.9709, 72.7634



28.7939, 34.9709, 10.6685

Square

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



45.4085, 34.9709, 72.7634



43.8047, 34.9709, 14.5715



23.4644, 34.9709, 16.6535



24.5252, 34.9709, 78.7334

Rectangle

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



45.4085, 34.9709, 72.7634



49.8004, 34.9709, 32.1323



23.4644, 34.9709, 16.6535



20.8282, 34.9709, 44.7139

Sweetspot

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



45.4097, 34.9724, 72.7642



83.1993, 80.5353, 105.7675



35.5467, 35.1380, 73.3160



17.5529, 16.8240, 22.5722



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.



45.4097, 34.9724, 72.7642



58.0348, 41.2608, 99.5131



49.1862, 37.2068, 59.9514



13.2683, 13.0964, 16.4807



16.5622, 7.6623, 40.3444



1.1515, 0.5369, 2.6174

Inverse Universe

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



44.7956, 35.4505, 36.8308



57.3589, 42.1804, 42.1935



41.9976, 59.3427, 40.6208



13.1937, 13.1066, 14.2811



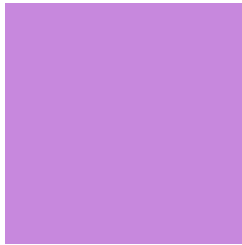
17.7935, 9.1184, 3.2927



1.1878, 0.6048, 0.3981

Previews

White Background



This preview shows how the XYZ color 45.4085, 34.9709, 72.7634 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 45.4085, 34.9709, 72.7634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

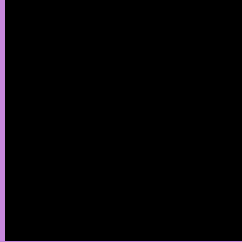
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4085, 34.9709, 72.7634

Background



This preview shows how black text looks on a background with the XYZ color 45.4085, 34.9709, 72.7634.



This preview shows how white text looks on a background with the XYZ color 45.4085, 34.9709,

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

45.4085, 34.9709, 72.7634

Protanopia

37.1625, 35.2735, 85.7387

Deuteranopia

36.0789, 35.3031, 70.5583



Tritanopia

38.3278, 34.9801, 37.9894

Trichromacy



Original Color

45.4085, 34.9709, 72.7634



Protanomaly

39.2176, 34.4892, 80.9340



Deuteranomaly

38.6655, 34.6612, 70.9821



Tritanomaly

40.4091, 34.6614, 48.8165

Monochromacy



Original Color

45.4085, 34.9709, 72.7634



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

38.4440, 35.9611, 50.8139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4085, 34.9709, 72.7634 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(199, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(199, 136, 221)  
}
```

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(199, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 136, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.4085, 34.9709, 72.7634 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(199, 136, 221) }
```


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

```
.border{ border-color:rgb(199, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(199, 136,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4085, 34.9709, 72.7634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 136, 221) }
```

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

```
.background{ background-color: rgb(199,  
136, 221) }
```

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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