

Converting Colors

XYZ(44.9553, 34.0472, 73.0817)

Have a look what the booklet for
XYZ(44.9553, 34.0472, 73.0817)
contains.

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Color

**XYZ(45.1255, 34.1911,
73.3284)**

Conversions

Conversions Part 1

Format	Color
Hex	C785DE
RGB	199, 133, 222
RGB Percent	78%, 52%, 87%
CMY	0.2196, 0.4784, 0.1294
CMYK	0.10, 0.40, 0.00, 0.13
HSL	284°, 57%, 70%
HSV	284°, 40%, 87%
XYZ	45.1255, 34.1911, 73.3284
YIQ	162.8800, 10.7670, 41.6710

Conversions

Conversions Part 2

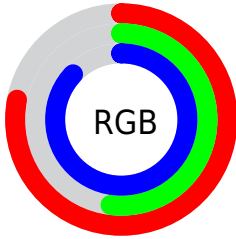
Format	Color
RYB	199, 133, 222
Decimal	13075934
CIELab	65.11, 40.43, -35.46
CIELCh	65, 53.775, 318.751
Yxy	34.1911, 0.2956, 0.2240
Android (android.graphics.Color)	4291266014 (0xFFC785DE)
YUV	162.8800, 29.1462, 31.6772
Hunter-Lab	58.4732, 35.4258, -33.4216

Details

The XYZ color **45.1255, 34.1911, 73.3284** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **44.0663, 61.0048, 31.6444**, and the grayscale version is **34.6206, 36.4236, 39.6653**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **21.4018, 14.7171, 37.7891** is the 20% darker color. If you saturate the color by 10%, you get **40.9079, 27.9724, 72.3509**, and if you desaturate by 10%, it is **50.0451, 41.7268, 74.5242**.

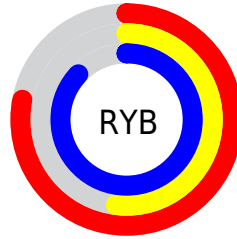
Distribution



Red (78%)

Green (52%)

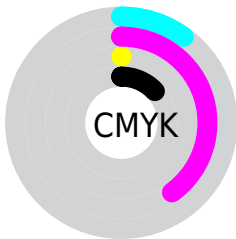
Blue (87%)



Red (78%)

Yellow (52%)

Blue (87%)

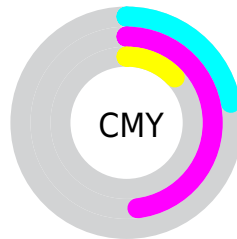


Cyan (10%)

Magenta (40%)

Yellow (0%)

Black (13%)



Cyan (22%)


Magenta (48%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1255, 34.1911, 73.3284 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 45.1255, 34.1911, 73.3284 by changing the saturation by 10% instead.


 45.1255, 34.1911,
73.3284

 45.1255, 34.1911,
73.3284

358.0567,
320.9833, 491.2535


 31.7580, 23.0404,
53.7511


 82.1446, 66.2307,
125.6685

 21.3314, 14.6234,
38.0109


 106.5269, 87.8885,
159.2684

 13.4803, 8.5555,
25.6892


 135.3115,
113.8174, 198.3796

 7.8394, 4.4524,
16.3676

168.8638,
144.4019, 243.4206

 4.0433, 1.9297,
9.6275

207.5491,
180.0264, 294.8099

 1.7266, 0.5661,
5.0503

251.7328,

 0.4729, 0.0000,

221.0751, 352.9662

2.2176

301.7802,
267.9327, 418.3078

■ 0.0000, 0.0000,
0.6845

■ 0.0000, 0.0000,
0.0000

■ 45.1255, 34.1911,
73.3284

■ 45.1255, 34.1911,
73.3284

■ 40.9079, 27.9724,
72.3509

■ 50.0451, 41.7268,
74.5242

■ 37.3473, 22.9845,
71.5758


■ 55.7011, 50.6499,
75.9484


■ 34.3988, 19.1374,
70.9886


■ 62.1296, 61.0309,
77.6133


■ 32.0098, 16.3269,
70.5721


■ 69.3632, 72.9345,
79.5297


 30.1179, 14.4293,
70.3055


 77.4327, 86.4210,
81.7075

 28.6251, 13.2337,
70.1534

 82.6879, 94.1891,
82.9300

 84.5960, 95.1728,
83.0193

 86.5657, 96.1882,
83.1114

 88.5974, 97.2356,
83.2065

Harmonies

Analogous

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



37.5600, 34.1911, 94.4972



45.1255, 34.1911, 73.3284



49.5346, 34.1911, 46.2500

Triad

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



45.1255, 34.1911, 73.3284



35.5115, 34.1911, 8.9964



20.2661, 34.1911, 52.8094

Complementary

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



45.1255, 34.1911, 73.3284



44.0663, 61.0048, 31.6444

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.



19.8977, 34.1911, 29.4634



45.1255, 34.1911, 73.3284



27.9119, 34.1911, 9.5725

Square

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



45.1255, 34.1911, 73.3284



43.4209, 34.1911, 13.3754



22.4771, 34.1911, 15.4853



23.5796, 34.1911, 79.7497

Rectangle

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



45.1255, 34.1911, 73.3284



49.6851, 34.1911, 31.0697



22.4771, 34.1911, 15.4853



19.8160, 34.1911, 44.1513

Sweetspot

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



45.1267, 34.1925, 73.3291



83.2036, 80.5375, 105.7677



34.8709, 34.2858, 73.8877



17.5539, 16.8245, 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.



45.1267, 34.1925, 73.3291



56.9280, 39.6323, 99.2571



49.0828, 36.5341, 59.8682



13.9312, 13.7481, 17.3071



17.1112, 7.9165, 41.6745



1.2679, 0.5909, 2.8925

Inverse Universe

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



44.5136, 34.7064, 35.8068



56.2946, 40.6144, 40.1039



41.6086, 59.5553, 39.7739



13.8519, 13.7584, 14.9902



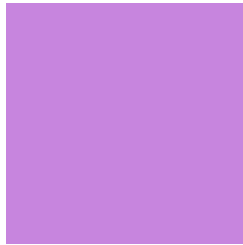
18.3759, 9.4174, 3.3796



1.3098, 0.6672, 0.4245

Previews

White Background



This preview shows how the XYZ color 45.1255, 34.1911, 73.3284 looks on a white background.

Color Contrast Check

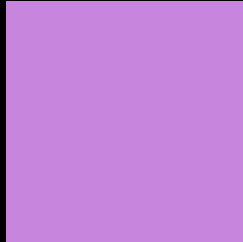
Large Text (above 18pt) WCAG AA × Fail

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 45.1255, 34.1911, 73.3284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

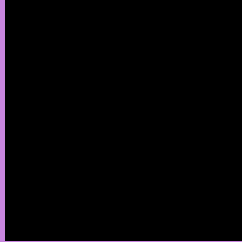
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1255, 34.1911, 73.3284

Background



This preview shows how black text looks on a background with the XYZ color 45.1255, 34.1911, 73.3284.

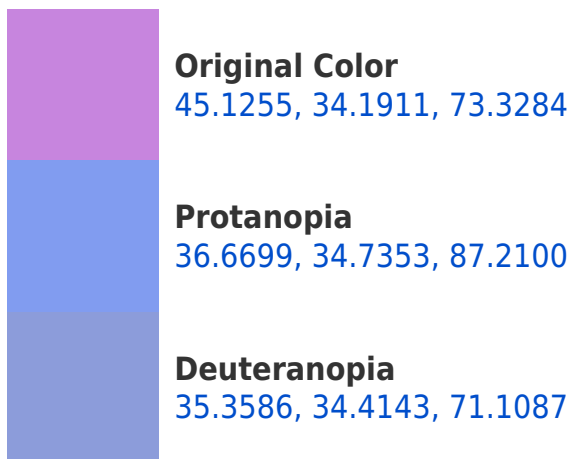


This preview shows how white text looks on a background with the XYZ color 45.1255, 34.1911,

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





Tritanopia

37.8405, 34.2832, 36.9707

Trichromacy



Original Color

45.1255, 34.1911, 73.3284



Protanomaly

38.6243, 33.9330, 81.6048



Deuteranomaly

38.0740, 33.8713, 71.5489



Tritanomaly

40.0058, 34.0197, 48.1740

Monochromacy



Original Color

45.1255, 34.1911, 73.3284



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

37.7845, 35.1473, 50.1400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1255, 34.1911, 73.3284 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, 133, 222)` looks like.

```
.text, #text, p{  
    color:rgb(199, 133, 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(199, 133, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 133, 222) }
```

Border

The CSS property to change the border of an element to XYZ 45.1255, 34.1911, 73.3284 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, 133, 222) }
```


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

```
.border{ border-color:rgb(199, 133, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 133, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 133, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 133, 222);  
box-shadow:4px 4px 4px 4px rgb(199, 133,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1255, 34.1911, 73.3284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 133, 222) }
```

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

```
.background{ background-color: rgb(199,  
133, 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](#).

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