

# Converting Colors

XYZ(44.9778, 34.5109, 43.6865)

Have a look what the booklet for  
XYZ(44.9778, 34.5109, 43.6865)  
contains.

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# Color

**XYZ(45.0075, 34.5797,  
43.8376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB84AD
RGB	219, 132, 173
RGB Percent	86%, 52%, 68%
CMY	0.1412, 0.4823, 0.3216
CMYK	0.00, 0.40, 0.21, 0.14
HSL	332°, 55%, 69%
HSV	332°, 40%, 86%
XYZ	45.0075, 34.5797, 43.8376
YIQ	162.6870, 38.6910, 31.1950

# Conversions

## Conversions Part 2

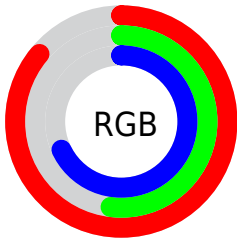
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 132, 173
Decimal	14386349
CIE <sub>Lab</sub>	65.42, 38.77, -7.30
CIE <sub>LCh</sub>	65, 39.452, 349.334
Yxy	34.5797, 0.3647, 0.2802
Android (android.graphics.Color)	4292576429 (0xFFDB84AD)
YUV	162.6870, 5.0843, 49.3865
Hunter-Lab	58.8045, 33.7116, -3.0364

# Details

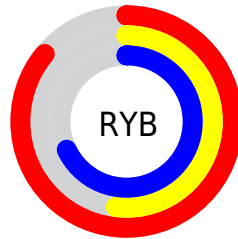
The XYZ color **45.0075, 34.5797, 43.8376** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **42.8846, 58.7838, 51.2083**, and the grayscale version is **34.6302, 36.4336, 39.6762**.

A 20% lighter version of the original color is **72.8025, 61.9792, 81.5249**, and **21.2201, 14.7992, 19.8273** is the 20% darker color. If you saturate the color by 10%, you get **41.2711, 28.8229, 37.3013**, and if you desaturate by 10%, it is **49.4664, 41.6253, 51.0946**.

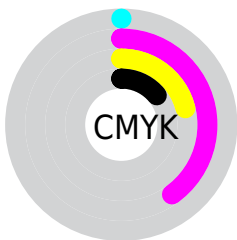
# Distribution



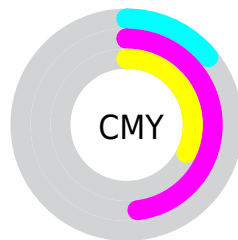
- Red (86%)
- Green (52%)
- Blue (68%)



- Red (86%)
- Yellow (52%)
- Blue (68%)



- Cyan (0%)
- Magenta (40%)
- Yellow (21%)
- Black (14%)



- Cyan (14%)
- Magenta (48%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0075, 34.5797, 43.8376 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 45.0075, 34.5797, 43.8376 by changing the saturation by 10% instead.





 45.0075, 34.5797,  
43.8376

 45.0075, 34.5797,  
43.8376


357.5871,  
322.7092, 378.0671


 31.6646, 23.3393,  
30.2066


 81.9687, 66.8341,  
82.2732

 21.2598, 14.8442,  
19.7421


 106.3177, 88.6170,  
107.9148

 13.4276, 8.7101,  
12.0255


 135.0661,  
114.6827, 138.3971

 7.8026, 4.5526,  
6.6383

168.5793,  
145.4158, 174.1386

 4.0197, 1.9872,  
3.1619

207.2227,  
181.2006, 215.5578

 1.7133, 0.6000,  
1.1779

251.3615,

 0.4646, 0.0000,

222.4215, 263.0733

0.0000

301.3612,  
269.4629, 317.1035

■ 0.0000, 0.0000,  
0.0000

■ 45.0075, 34.5797,  
43.8376

■ 45.0075, 34.5797,  
43.8376

■ 41.2711, 28.8229,  
37.3013

■ 49.4664, 41.6253,  
51.0946

■ 38.2124, 24.2703,  
31.4577

■ 54.6829, 50.0275,  
59.0947

■ 35.7861, 20.8349,  
26.2794


■ 60.6937, 59.8552,  
67.8616


■ 33.9395, 18.4159,  
21.7358


■ 67.5318, 71.1712,  
77.4174


■ 32.6106, 16.8936,  
17.7923


■ 75.2285, 84.0345,  
87.7829

 31.6946, 16.0631,  
14.3996

 81.0728, 93.0199,  
98.0648

 31.6719, 16.0435,  
14.3125

 82.8726, 93.7398,  
107.5422

 83.0236, 93.8002,  
108.3372

# Harmonies

## Analogous

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



42.0120, 34.5797, 62.3574



45.0075, 34.5797, 43.8376



44.4749, 34.5797, 28.0890

# Triad

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



45.0075, 34.5797, 43.8376



29.3321, 34.5797, 14.9384



26.1601, 34.5797, 67.2284

# Complementary

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



45.0075, 34.5797, 43.8376



42.8846, 58.7838, 51.2083

# 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.



23.4780, 34.5797, 49.1697



45.0075, 34.5797, 43.8376



25.1558, 34.5797, 20.5223

# Square

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



45.0075, 34.5797, 43.8376



34.9614, 34.5797, 14.2779



23.1332, 34.5797, 32.0764



30.8579, 34.5797, 78.2568



# Rectangle

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



45.0075, 34.5797, 43.8376



42.2073, 34.5797, 20.9017



23.1332, 34.5797, 32.0764



25.0175, 34.5797, 61.5697

# Sweetspot

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



45.0085, 34.5813, 43.8383



83.5567, 81.0079, 92.7541



39.1590, 30.9601, 70.9302



17.6390, 16.9365, 19.4981



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.



45.0085, 34.5813, 43.8383



58.8977, 41.6557, 53.8117



41.8288, 33.6263, 26.1177



13.3102, 13.1532, 14.8947



18.8343, 9.5347, 8.7732



1.2635, 0.6350, 0.7965



# Inverse Universe

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



45.0085, 34.5813, 43.8383



58.8977, 41.6557, 53.8117



47.2579, 59.9305, 76.0952



13.3102, 13.1532, 14.8947



18.8343, 9.5347, 8.7732



1.2635, 0.6350, 0.7965



# Previews

## White Background



This preview shows how the XYZ color 45.0075, 34.5797, 43.8376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

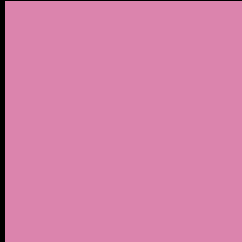
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.0075, 34.5797, 43.8376 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 45.0075, 34.5797, 43.8376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0075, 34.5797, 43.8376.



This preview shows how white text looks on a background with the XYZ color 45.0075, 34.5797,



# 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

45.0075, 34.5797, 43.8376

### Protanopia

34.6580, 34.9437, 53.6333

### Deuteranopia

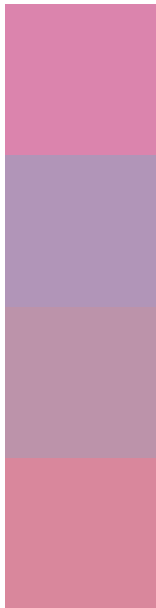
35.4603, 34.8533, 42.3945



## Tritanopia

42.5310, 34.5968, 32.0400

# Trichromacy



## Original Color

45.0075, 34.5797, 43.8376

## Protanomaly

37.5306, 34.3027, 49.9904

## Deuteranomaly

38.4285, 34.4611, 42.6565

## Tritanomaly

43.2800, 34.4800, 35.8267

# Monochromacy



## Original Color

45.0075, 34.5797, 43.8376

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

37.7317, 35.3138, 41.3868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0075, 34.5797, 43.8376 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(219, 132, 173)` looks like.

```
.text, #text, p{  
    color:rgb(219, 132, 173)  
}
```

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(219, 132, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 132, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0075, 34.5797, 43.8376 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(219, 132, 173) }
```



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

```
.border{ border-color:rgb(219, 132, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 132, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 132, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 132, 173);  
box-shadow:4px 4px 4px 4px rgb(219, 132,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0075, 34.5797, 43.8376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 132, 173) }
```

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

```
.background{ background-color: rgb(219,  
132, 173) }
```

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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