

Converting Colors

XYZ(45.9309, 36.2303, 44.3107)

Have a look what the booklet for
XYZ(45.9309, 36.2303, 44.3107)
contains.

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Color

**XYZ(45.8447, 36.2542,
44.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8AAD
RGB	219, 138, 173
RGB Percent	86%, 54%, 68%
CMY	0.1412, 0.4588, 0.3216
CMYK	0.00, 0.37, 0.21, 0.14
HSL	334°, 53%, 70%
HSV	334°, 37%, 86%
XYZ	45.8447, 36.2542, 44.1166
YIQ	166.2090, 37.0410, 28.0570

Conversions

Conversions Part 2

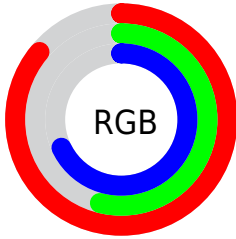
Format	Color
R_{YB}	219, 138, 173
Decimal	14387885
CIE _{Lab}	66.71, 35.60, -5.38
CIE _{LCh}	67, 36.001, 351.399
Yxy	36.2542, 0.3632, 0.2872
Android (android.graphics.Color)	4292577965 (0xFFDB8AAD)
YUV	166.2090, 3.3480, 46.2977
Hunter-Lab	60.2115, 30.5389, -1.2934

Details

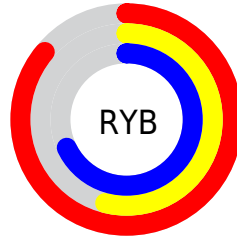
The XYZ color **45.8447, 36.2542, 44.1166** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **44.4661, 59.5279, 54.4968**, and the grayscale version is **36.3193, 38.2107, 41.6115**.

A 20% lighter version of the original color is **74.3136, 65.0014, 82.0286**, and **21.6793, 15.7174, 19.9803** is the 20% darker color. If you saturate the color by 10%, you get **41.8657, 30.1331, 37.1262**, and if you desaturate by 10%, it is **50.5714, 43.6904, 51.9098**.

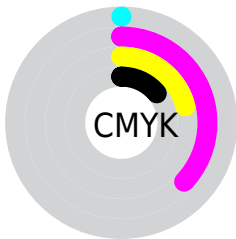
Distribution



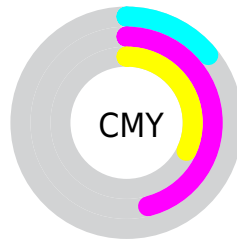
- Red (86%)
- Green (54%)
- Blue (68%)



- Red (86%)
- Yellow (54%)
- Blue (68%)



- Cyan (0%)
- Magenta (37%)
- Yellow (21%)
- Black (14%)





- Cyan (14%)
- Magenta (46%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8447, 36.2542, 44.1166 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 45.8447, 36.2542, 44.1166 by changing the saturation by 10% instead.


 45.8447, 36.2542,
44.1166

 45.8447, 36.2542,
44.1166

360.9104,
330.0702, 379.2391

 32.3274, 24.6306,
30.4243


 83.2158, 69.4242,
82.6975

 21.7684, 15.8020,
19.9061


 107.8003, 91.7394,
108.4232

 13.8025, 9.3842,
12.1434


 136.8046,
118.3873, 138.9972

 8.0642, 4.9926,
6.7177

170.5941,
149.7522, 174.8379

 4.1882, 2.2429,
3.2104

209.5340,
186.2186, 216.3639

 1.8092, 0.7432,
1.2031

253.9898,

 0.5232, 0.0000,

228.1708, 263.9937

0.0000

304.3268,
275.9932, 318.1460

0.0000, 0.0000,
0.0000

45.8447, 36.2542,
44.1166

45.8447, 36.2542,
44.1166

41.8657, 30.1331,
37.1262

50.5714, 43.6904,
51.9098

38.5898, 25.2443,
30.9077

56.0805, 52.5081,
60.5306

35.9725, 21.5032,
25.4308

62.4086, 62.7750,
70.0057

33.9624, 18.8125,
20.6621

69.5887, 74.5531,
80.3593

32.4998, 17.0584,
16.5644

77.6521, 87.9007,
91.6148

■ 31.5075, 16.0924,
13.0936

■ 81.8590, 93.3343,
102.2051

■ 31.2620, 15.8795,
12.1541

■ 83.0235, 93.8001,
108.3372

Harmonies

Analogous

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



43.2772, 36.2542, 61.2184



45.8447, 36.2542, 44.1166



45.1201, 36.2542, 29.5407

Triad

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



45.8447, 36.2542, 44.1166



30.7884, 36.2542, 17.6696



28.3475, 36.2542, 67.7511

Complementary

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



45.8447, 36.2542, 44.1166



44.4661, 59.5279, 54.4968

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.



25.6245, 36.2542, 51.4180



45.8447, 36.2542, 44.1166



26.9274, 36.2542, 23.6063

Square

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



45.8447, 36.2542, 44.1166



36.0434, 36.2542, 16.6795



25.1334, 36.2542, 35.1703



32.9208, 36.2542, 77.0265

Rectangle

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



45.8447, 36.2542, 44.1166



42.8970, 36.2542, 22.8214



25.1334, 36.2542, 35.1703



27.2063, 36.2542, 62.7288

Sweetspot

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



45.8457, 36.2559, 44.1173



84.2857, 82.4069, 93.1790



41.6194, 33.4715, 71.2851



17.7785, 17.2131, 19.5519



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.



45.8457, 36.2559, 44.1173



60.4670, 44.6188, 54.8760



43.6848, 36.6621, 28.8210



13.2884, 13.1445, 14.7802



18.5894, 9.4368, 7.4840



1.2470, 0.6284, 0.7096

Inverse Universe

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



45.8457, 36.2559, 44.1173



60.4670, 44.6188, 54.8760



47.2141, 58.4095, 75.8038



13.2884, 13.1445, 14.7802



18.5894, 9.4368, 7.4840



1.2470, 0.6284, 0.7096

Previews

White Background



This preview shows how the XYZ color 45.8447, 36.2542, 44.1166 looks on a white background.

Color Contrast Check

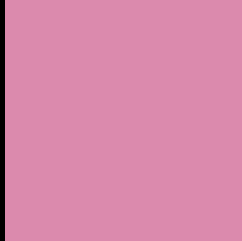
Large Text (above 18pt) WCAG AA × Fail

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 45.8447, 36.2542, 44.1166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

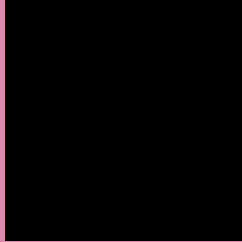
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8447, 36.2542, 44.1166

Background



This preview shows how black text looks on a background with the XYZ color 45.8447, 36.2542, 44.1166.



This preview shows how white text looks on a background with the XYZ color 45.8447, 36.2542,

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

45.8447, 36.2542, 44.1166

Protanopia

35.9225, 36.3897, 52.7075

Deuteranopia

37.0675, 36.4323, 42.6146



Tritanopia

43.9558, 36.3647, 34.4081

Trichromacy



Original Color

45.8447, 36.2542, 44.1166

Protanomaly

38.7609, 35.9047, 49.6871

Deuteranomaly

39.8082, 36.1119, 42.9024

Tritanomaly

44.7835, 36.4932, 37.9413

Monochromacy



Original Color

45.8447, 36.2542, 44.1166

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.0575, 36.9558, 42.6107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8447, 36.2542, 44.1166 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, 138, 173)` looks like.

```
.text, #text, p{  
    color:rgb(219, 138, 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, 138, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 138, 173) }
```

Border

The CSS property to change the border of an element to XYZ 45.8447, 36.2542, 44.1166 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, 138, 173) }
```


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

```
.border{ border-color:rgb(219, 138, 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, 138, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 138, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 138, 173);  
box-shadow:4px 4px 4px 4px rgb(219, 138,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8447, 36.2542, 44.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 138, 173) }
```

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

```
.background{ background-color: rgb(219,  
138, 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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