

Converting Colors

XYZ(46.0567, 35.7248, 42.3780)

Have a look what the booklet for
XYZ(46.0567, 35.7248, 42.3780)
contains.

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Color

**XYZ(46.0439, 35.7598,
42.5058)**

Conversions

Conversions Part 1

Format	Color
Hex	DE87AA
RGB	222, 135, 170
RGB Percent	87%, 53%, 67%
CMY	0.1294, 0.4706, 0.3333
CMYK	0.00, 0.39, 0.23, 0.13
HSL	336°, 57%, 70%
HSV	336°, 39%, 87%
XYZ	46.0439, 35.7598, 42.5058
YIQ	165.0030, 40.6170, 29.3290

Conversions

Conversions Part 2

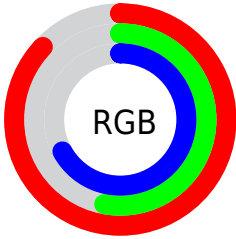
Format	Color
R _Y B	222, 135, 170
Decimal	14583722
CIE Lab	66.34, 37.79, -4.21
CIE LCh	66, 38.026, 353.641
Yxy	35.7598, 0.3704, 0.2877
Android (android.graphics.Color)	4292773802 (0xFFDE87AA)
YUV	165.0030, 2.4635, 49.9864
Hunter-Lab	59.7995, 32.7908, -0.2840

Details

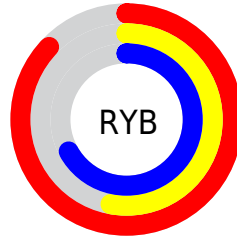
The XYZ color **46.0439, 35.7598, 42.5058** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **45.0842, 60.9823, 56.4112**, and the grayscale version is **35.7415, 37.6028, 40.9494**.

A 20% lighter version of the original color is **73.2441, 63.5232, 79.6350**, and **21.8803, 15.4939, 18.9769** is the 20% darker color. If you saturate the color by 10%, you get **42.0707, 29.7217, 35.2976**, and if you desaturate by 10%, it is **50.7916, 43.1435, 50.5981**.

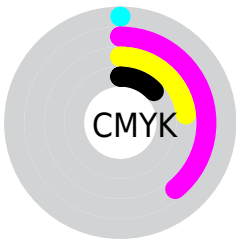
Distribution



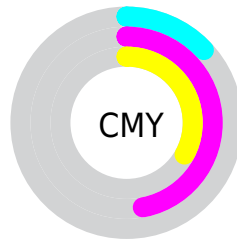
- Red (87%)
- Green (53%)
- Blue (67%)



- Red (87%)
- Yellow (53%)
- Blue (67%)



- Cyan (0%)
- Magenta (39%)
- Yellow (23%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0439, 35.7598, 42.5058 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 46.0439, 35.7598, 42.5058 by changing the saturation by 10% instead.


 46.0439, 35.7598,
42.5058


 46.0439, 35.7598,
42.5058

361.6981,
327.9095, 372.4367


 32.4852, 24.2487,
29.1690

 83.5122, 68.6612,
80.2429

 21.8897, 15.5182,
18.9620


 108.1525, 90.8203,
105.4803

 13.8921, 9.1839,
11.4663


 137.2173,
117.2975, 135.5217

 8.1268, 4.8613,
6.2633

171.0722,
148.4772, 170.7855

 4.2287, 2.1661,
2.9345

210.0823,
184.7439, 211.6904

 1.8323, 0.7014,
1.0613

254.6131,

 0.5370, 0.0000,

226.4819, 258.6549

0.0000

305.0299,
274.0756, 312.0975

0.0000, 0.0000,
0.0000

46.0439, 35.7598,
42.5058

46.0439, 35.7598,
42.5058

42.0707, 29.7217,
35.2976

50.7916, 43.1435,
50.5981

38.8248, 24.9418,
28.9383

56.3513, 51.9429,
59.6035

36.2583, 21.3300,
23.3928

62.7617, 62.2296,
69.5523

34.3157, 18.7823,
18.6224

70.0579, 74.0687,
80.4726

32.9322, 17.1756,
14.5839

78.2731, 87.5212,
92.3911

■ 32.0058, 16.3136,
11.2205

■ 83.0800, 93.9279,
103.8807

■ 31.9403, 16.2561,
10.9725

■ 83.9344, 94.2697,
108.3798

Harmonies

Analogous

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



43.5679, 35.7598, 60.5876



46.0439, 35.7598, 42.5058



45.0115, 35.7598, 27.6889

Triad

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



46.0439, 35.7598, 42.5058



29.7931, 35.7598, 16.7314



27.9144, 35.7598, 69.9603

Complementary

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



46.0439, 35.7598, 42.5058



45.0842, 60.9823, 56.4112

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.



24.9305, 35.7598, 52.8793



46.0439, 35.7598, 42.5058



25.9277, 35.7598, 23.1766

Square

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



46.0439, 35.7598, 42.5058



35.2131, 35.7598, 15.3836



24.2458, 35.7598, 35.5725



32.7928, 35.7598, 79.0459

Rectangle

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



46.0439, 35.7598, 42.5058



42.5239, 35.7598, 21.0886



24.2458, 35.7598, 35.5725



26.6794, 35.7598, 64.7679

Sweetspot

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



46.0449, 35.7615, 42.5065



83.2469, 80.8840, 91.1230



42.0393, 33.0116, 73.2638



17.5662, 16.9074, 19.1150



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.



46.0449, 35.7615, 42.5065



58.5099, 42.0638, 50.0328



44.2090, 36.7011, 27.6777



13.9346, 13.7915, 15.4256



19.0234, 9.6764, 6.7892



1.3620, 0.6881, 0.6993

Inverse Universe

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



46.0449, 35.7615, 42.5065



58.5099, 42.0638, 50.0328



47.4145, 58.8995, 77.9774



13.9346, 13.7915, 15.4256



19.0234, 9.6764, 6.7892



1.3620, 0.6881, 0.6993

Previews

White Background



This preview shows how the XYZ color 46.0439, 35.7598, 42.5058 looks on a white background.

Color Contrast Check

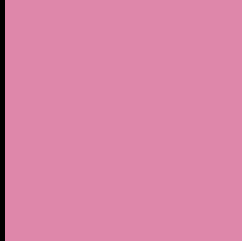
Large Text (above 18pt) WCAG AA × Fail

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 46.0439, 35.7598, 42.5058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

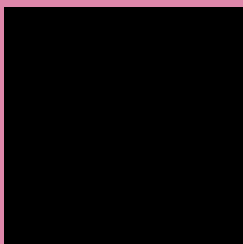
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0439, 35.7598, 42.5058

Background



This preview shows how black text looks on a background with the XYZ color 46.0439, 35.7598, 42.5058.



This preview shows how white text looks on a background with the XYZ color 46.0439, 35.7598,

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

46.0439, 35.7598, 42.5058

Protanopia

35.3384, 35.8549, 51.5125

Deuteranopia

36.6191, 35.9811, 41.0914



Tritanopia

44.1726, 35.8508, 33.0255

Trichromacy



Original Color

46.0439, 35.7598, 42.5058

Protanomaly

38.3609, 35.2523, 47.9625

Deuteranomaly

39.4607, 35.4914, 41.3299

Tritanomaly

44.9931, 35.9834, 36.4724

Monochromacy



Original Color

46.0439, 35.7598, 42.5058

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.7804, 36.3403, 41.5297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0439, 35.7598, 42.5058 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(222, 135, 170)` looks like.

```
.text, #text, p{  
    color:rgb(222, 135, 170)  
}
```

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(222, 135, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 135, 170) }
```

Border

The CSS property to change the border of an element to XYZ 46.0439, 35.7598, 42.5058 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(222, 135, 170) }
```


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

```
.border{ border-color:rgb(222, 135, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 135, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 135, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 135, 170);  
box-shadow:4px 4px 4px 4px rgb(222, 135,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0439, 35.7598, 42.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 135, 170) }
```

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

```
.background{ background-color: rgb(222,  
135, 170) }
```

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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