

Converting Colors

XYZ(46.3023, 40.2073, 45.4184)

Have a look what the booklet for
XYZ(46.3023, 40.2073, 45.4184)
contains.

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Color

**XYZ(46.3470, 40.1642,
45.3541)**

Conversions

Conversions Part 1

Format	Color
Hex	D49AAE
RGB	212, 154, 174
RGB Percent	83%, 60%, 68%
CMY	0.1686, 0.3961, 0.3176
CMYK	0.00, 0.27, 0.18, 0.17
HSL	339°, 40%, 72%
HSV	339°, 27%, 83%
XYZ	46.3470, 40.1642, 45.3541
YIQ	173.6220, 28.1480, 18.5160

Conversions

Conversions Part 2

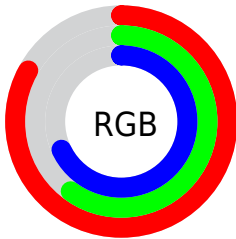
Format	Color
R _Y B	212, 154, 174
Decimal	13933230
CIE Lab	69.59, 24.64, -1.80
CIE LCh	70, 24.707, 355.817
Yxy	40.1642, 0.3515, 0.3046
Android (android.graphics.Color)	4292123310 (0xFFD49AAE)
YUV	173.6220, 0.1864, 33.6575
Hunter-Lab	63.3752, 19.6323, 1.9321

Details

The XYZ color **46.3470, 40.1642, 45.3541** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.3860, 57.7639, 58.5767**, and the grayscale version is **40.0282, 42.1128, 45.8608**.

A 20% lighter version of the original color is **78.1833, 72.5181, 84.0054**, and **21.9745, 17.9758, 20.7238** is the 20% darker color. If you saturate the color by 10%, you get **41.8673, 33.2608, 37.5217**, and if you desaturate by 10%, it is **51.5870, 48.3632, 54.1318**.

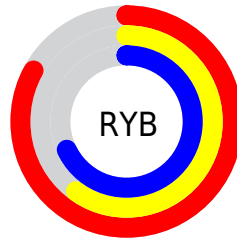
Distribution



Red (83%)

Green (60%)

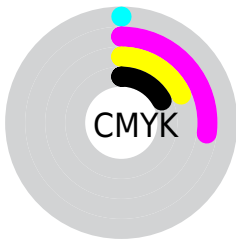
Blue (68%)



Red (83%)

Yellow (60%)

Blue (68%)

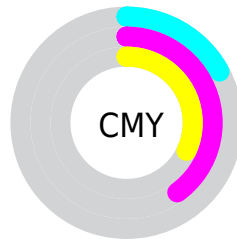


Cyan (0%)

Magenta (27%)

Yellow (18%)

Black (17%)



Cyan (17%)


Magenta (40%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3470, 40.1642, 45.3541 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 46.3470, 40.1642, 45.3541 by changing the saturation by 10% instead.


 46.3470, 40.1642,
45.3541

 46.3470, 40.1642,
45.3541


362.8945,
346.8152, 384.4077

 32.7255, 27.6666,
31.3915


 83.9628, 75.4135,
84.5756

 22.0745, 18.0745,
20.6362


 108.6878, 98.9340,
110.6715

 14.0285, 11.0035,
12.6697

137.8446,
126.8975, 141.6490

 8.2224, 6.0692,
7.0734

171.7987,
159.6885, 177.9264

 4.2906, 2.8872,
3.4289

210.9154,
197.6914, 219.9225

 1.8678, 1.0731,
1.3176

255.5600,

 0.5580, 0.0000,

241.2905, 268.0557

0.0761

306.0980,
290.8703, 322.7446

■ 0.0000, 0.0000,
0.0000

■ 46.3470, 40.1642,
45.3541

■ 46.3470, 40.1642,
45.3541

■ 41.8673, 33.2608,
37.5217

■ 51.5870, 48.3632,
54.1318

■ 38.1077, 27.5807,
30.5989

■ 57.6180, 57.9140,
63.8838

■ 35.0295, 23.0529,
24.5515

■ 64.4732, 68.8764,
74.6407

■ 32.5885, 19.5971,
19.3415

■ 72.1829, 81.3049,
86.4310

■ 30.7354, 17.1221,
14.9280

■ 79.1580, 92.0157,
98.7428

■ 29.4127, 15.5215,
11.2659

■ 80.9616, 92.7372,
108.2407

■ 28.5438, 14.6514,
8.3016

■ 28.3574, 14.4795,
7.6200

Harmonies

Analogous

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



44.8780, 40.1642, 57.2714



46.3470, 40.1642, 45.3541



45.5042, 40.1642, 34.8462

Triad

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



46.3470, 40.1642, 45.3541



34.9310, 40.1642, 26.7883



34.0255, 40.1642, 64.5372

Complementary

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



46.3470, 40.1642, 45.3541



46.3860, 57.7639, 58.5767

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.



31.6781, 40.1642, 54.0129



46.3470, 40.1642, 45.3541



32.1748, 40.1642, 32.5146

Square

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



46.3470, 40.1642, 45.3541



38.7371, 40.1642, 25.2784



31.0247, 40.1642, 42.1490



37.6181, 40.1642, 69.5025

Rectangle

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



46.3470, 40.1642, 45.3541



43.7741, 40.1642, 29.7950



31.0247, 40.1642, 42.1490



33.0747, 40.1642, 61.4519

Sweetspot

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



46.3481, 40.1660, 45.3549



86.8060, 86.8367, 95.9021



45.1031, 39.0340, 67.4451



18.2679, 18.0905, 20.0278



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.



46.3481, 40.1660, 45.3549



66.1840, 54.4929, 61.5899



46.0295, 42.4199, 36.3358



12.5982, 12.4908, 13.8245



17.5489, 8.9559, 4.9287



1.0968, 0.5555, 0.4994

Inverse Universe

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



46.3481, 40.1660, 45.3549



66.1840, 54.4929, 61.5899



46.6384, 54.4784, 70.3453



12.5982, 12.4908, 13.8245



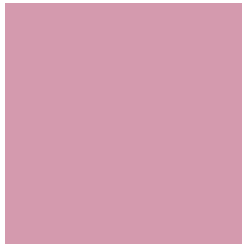
17.5489, 8.9559, 4.9287



1.0968, 0.5555, 0.4994

Previews

White Background



This preview shows how the XYZ color 46.3470, 40.1642, 45.3541 looks on a white background.

Color Contrast Check

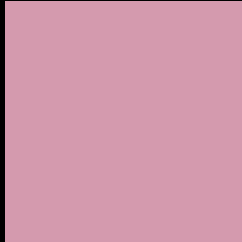
Large Text (above 18pt) WCAG AA × Fail

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 46.3470, 40.1642, 45.3541 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 46.3470, 40.1642, 45.3541

Background



This preview shows how black text looks on a background with the XYZ color 46.3470, 40.1642, 45.3541.



This preview shows how white text looks on a background with the XYZ color 46.3470, 40.1642,

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

46.3470, 40.1642, 45.3541

Protanopia

39.3128, 40.3409, 50.5143

Deuteranopia

41.1512, 40.3279, 44.6449



Tritanopia

45.5604, 40.0816, 41.8944

Trichromacy



Original Color

46.3470, 40.1642, 45.3541

Protanomaly

41.5213, 40.1605, 48.7434

Deuteranomaly

42.7934, 40.1090, 45.0215

Tritanomaly

45.8410, 40.1939, 43.3723

Monochromacy



Original Color

46.3470, 40.1642, 45.3541

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.1977, 41.3848, 45.8084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3470, 40.1642, 45.3541 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(212, 154, 174)` looks like.

```
.text, #text, p{  
    color:rgb(212, 154, 174)  
}
```

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(212, 154, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 154, 174) }
```

Border

The CSS property to change the border of an element to XYZ 46.3470, 40.1642, 45.3541 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(212, 154, 174) }
```


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

```
.border{ border-color:rgb(212, 154, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 154, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 154, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 154, 174);  
box-shadow:4px 4px 4px 4px rgb(212, 154,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3470, 40.1642, 45.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 154, 174) }
```

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

```
.background{ background-color: rgb(212,  
154, 174) }
```

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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