

Converting Colors

XYZ(40.3125, 34.4567, 45.6845)

Have a look what the booklet for
XYZ(40.3125, 34.4567, 45.6845)
contains.

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Color

**XYZ(40.4239, 34.5153,
45.6058)**

Conversions

Conversions Part 1

Format	Color
Hex	C48FB0
RGB	196, 143, 176
RGB Percent	77%, 56%, 69%
CMY	0.2314, 0.4392, 0.3098
CMYK	0.00, 0.27, 0.10, 0.23
HSL	323°, 31%, 66%
HSV	323°, 27%, 77%
XYZ	40.4239, 34.5153, 45.6058
YIQ	162.6090, 20.9950, 21.4990

Conversions

Conversions Part 2

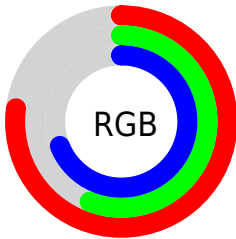
Format	Color
RYB	196, 143, 176
Decimal	12881840
CIELab	65.37, 25.28, -9.35
CIELCh	65, 26.956, 339.708
Yxy	34.5153, 0.3353, 0.2863
Android (android.graphics.Color)	4291071920 (0xFFC48FB0)
YUV	162.6090, 6.6018, 29.2839
Hunter-Lab	58.7497, 20.0084, -4.9004

Details

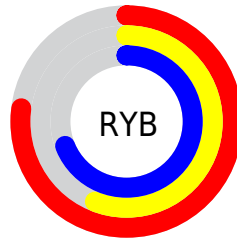
The XYZ color **40.4239, 34.5153, 45.6058** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.6799, 47.9648, 41.9248**, and the grayscale version is **34.5924, 36.3939, 39.6329**.

A 20% lighter version of the original color is **75.0398, 66.6413, 85.2520**, and **18.5576, 14.8351, 20.6243** is the 20% darker color. If you saturate the color by 10%, you get **37.0228, 28.8521, 40.9592**, and if you desaturate by 10%, it is **44.3810, 41.2256, 50.6353**.

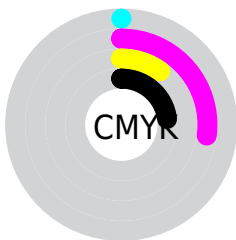
Distribution



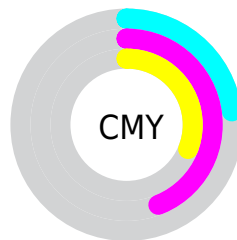
- Red (77%)
- Green (56%)
- Blue (69%)



- Red (77%)
- Yellow (56%)
- Blue (69%)



- Cyan (0%)
- Magenta (27%)
- Yellow (10%)
- Black (23%)





- Cyan (23%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4239, 34.5153, 45.6058 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 40.4239, 34.5153, 45.6058 by changing the saturation by 10% instead.

 40.4239, 34.5153,
45.6058


 40.4239, 34.5153,
45.6058


339.0109,
322.4237, 385.4530

 28.0549, 23.2897,
31.5884

 75.0888, 66.7342,
84.9568

 18.5077, 14.8076,
20.7851


 98.1155, 88.4963,
111.1275

 11.4170, 8.6845,
12.7773


125.4253,
114.5395, 142.1864

 6.4174, 4.5359,
7.1465

157.3838,
145.2480, 178.5521

 3.1436, 1.9777,
3.4740

194.3562,
181.0063, 220.6430

 1.2301, 0.5944,
1.3415

236.7080,

 0.1300, 0.0000,

222.1987, 268.8778

0.0954

284.8044,
269.2097, 323.6750

■ 0.0000, 0.0000,
0.0000

■ 40.4239, 34.5153,
45.6058

■ 40.4239, 34.5153,
45.6058

■ 37.0228, 28.8521,
40.9592

■ 44.3810, 41.2256,
50.6353

■ 34.1472, 24.1777,
36.6811

■ 48.9165, 49.0283,
56.0570

■ 31.7684, 20.4351,
32.7591

■ 54.0551, 57.9716,
61.8825

■ 29.8534, 17.5594,
29.1790

■ 59.8193, 68.0992,
68.1222

■ 28.3652, 15.4776,
25.9250

■ 66.2304, 79.4529,
74.7860

■ 27.2604, 14.1041,
22.9792

■ 71.4941, 88.4434,
81.2787

■ 26.4804, 13.3228,
20.3187

■ 72.4981, 88.8450,
86.5655

■ 26.2801, 13.1418,
19.5745

■ 73.5460, 89.2642,
92.0837

■ 74.6383, 89.7011,
97.8359

Harmonies

Analogous

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



37.8793, 34.5153, 56.8313



40.4239, 34.5153, 45.6058



40.8404, 34.5153, 34.0456

Triad

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



40.4239, 34.5153, 45.6058



31.5468, 34.5153, 20.0176



27.3240, 34.5153, 53.1891

Complementary

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



40.4239, 34.5153, 45.6058



37.6799, 47.9648, 41.9248

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.



25.9007, 34.5153, 41.3537



40.4239, 34.5153, 45.6058



28.2068, 34.5153, 23.2581

Square

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



40.4239, 34.5153, 45.6058



35.4995, 34.5153, 20.7049



26.2104, 34.5153, 30.5580



30.2518, 34.5153, 61.7808

Rectangle

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



40.4239, 34.5153, 45.6058



39.8238, 34.5153, 27.8357



26.2104, 34.5153, 30.5580



26.6648, 34.5153, 49.3713

Sweetspot

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



40.4249, 34.5169, 45.6065



87.6690, 87.1819, 100.4468



34.7762, 31.3591, 56.4451



18.4850, 18.1773, 21.1711



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.



40.4249, 34.5169, 45.6065



69.7428, 56.6937, 77.9341



38.0991, 33.5865, 33.3589



10.3309, 10.1810, 11.8331



16.9289, 8.4613, 12.8033



0.7641, 0.3786, 0.7249

Inverse Universe

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



40.4249, 34.5169, 45.6065



69.7428, 56.6937, 77.9341



40.2469, 48.9916, 55.4421



10.3309, 10.1810, 11.8331



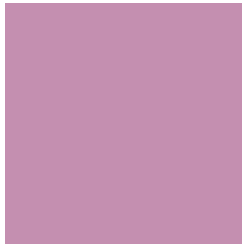
16.9289, 8.4613, 12.8033



0.7641, 0.3786, 0.7249

Previews

White Background



This preview shows how the XYZ color 40.4239, 34.5153, 45.6058 looks on a white background.

Color Contrast Check

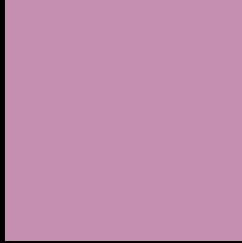
Large Text (above 18pt) WCAG AA × Fail

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 40.4239, 34.5153, 45.6058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

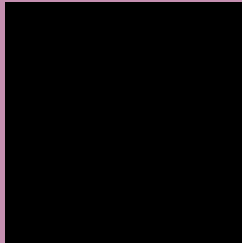
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4239, 34.5153, 45.6058

Background



This preview shows how black text looks on a background with the XYZ color 40.4239, 34.5153, 45.6058.



This preview shows how white text looks on a background with the XYZ color 40.4239, 34.5153,

45.6058.

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

40.4239, 34.5153, 45.6058

Protanopia

34.3102, 34.8265, 50.8128

Deuteranopia

35.5098, 34.8235, 44.8944



Tritanopia

38.6986, 34.4957, 36.9665

Trichromacy



Original Color

40.4239, 34.5153, 45.6058

Protanomaly

36.1969, 34.5949, 49.0257

Deuteranomaly

37.1646, 34.6933, 45.2951

Tritanomaly

39.4226, 34.5695, 40.1921

Monochromacy



Original Color

40.4239, 34.5153, 45.6058

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.6355, 35.7180, 42.0092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4239, 34.5153, 45.6058 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(196, 143, 176)` looks like.

```
.text, #text, p{  
    color:rgb(196, 143, 176)  
}
```

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(196, 143, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 143, 176) }
```

Border

The CSS property to change the border of an element to XYZ 40.4239, 34.5153, 45.6058 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(196, 143, 176) }
```


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

```
.border{ border-color:rgb(196, 143, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 143, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 143, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 143, 176);  
box-shadow:4px 4px 4px 4px rgb(196, 143,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4239, 34.5153, 45.6058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 143, 176) }
```

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

```
.background{ background-color: rgb(196,  
143, 176) }
```

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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