

Converting Colors

XYZ(45.2770, 40.2157, 51.8304)

Have a look what the booklet for
XYZ(45.2770, 40.2157, 51.8304)
contains.

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Color

**XYZ(45.2770, 40.2157,
51.8304)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9DBA
RGB	202, 157, 186
RGB Percent	79%, 62%, 73%
CMY	0.2078, 0.3843, 0.2706
CMYK	0.00, 0.22, 0.08, 0.21
HSL	321°, 30%, 70%
HSV	321°, 22%, 79%
XYZ	45.2770, 40.2157, 51.8304
YIQ	173.7610, 17.5110, 18.5590

Conversions

Conversions Part 2

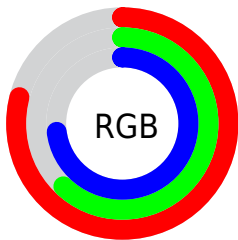
Format	Color
R_{YB}	202, 157, 186
Decimal	13278650
CIE _{Lab}	69.62, 21.43, -8.53
CIE _{LCh}	70, 23.069, 338.286
Yxy	40.2157, 0.3297, 0.2929
Android (android.graphics.Color)	4291468730 (0xFFCA9DBA)
YUV	173.7610, 6.0338, 24.7656
Hunter-Lab	63.4158, 16.4659, -4.0672

Details

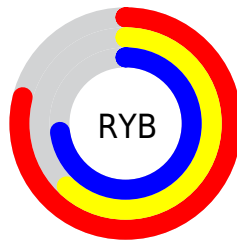
The XYZ color **45.2770, 40.2157, 51.8304** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.5696, 52.4274, 47.4134**, and the grayscale version is **40.0743, 42.1612, 45.9136**.

A 20% lighter version of the original color is **80.8105, 74.7578, 94.1749**, and **21.3178, 17.9996, 24.5410** is the 20% darker color. If you saturate the color by 10%, you get **41.3936, 33.6399, 46.8629**, and if you desaturate by 10%, it is **49.7662, 47.9405, 57.1901**.

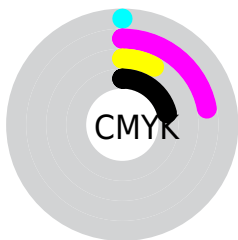
Distribution



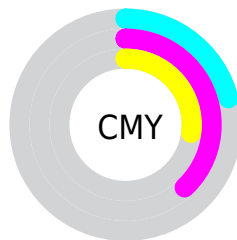
- Red (79%)
- Green (62%)
- Blue (73%)



- Red (79%)
- Yellow (62%)
- Blue (73%)



- Cyan (0%)
- Magenta (22%)
- Yellow (8%)
- Black (21%)




- Cyan (21%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2770, 40.2157, 51.8304 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 45.2770, 40.2157, 51.8304 by changing the saturation by 10% instead.


 45.2770, 40.2157,
51.8304


 45.2770, 40.2157,
51.8304


358.6591,
347.0319, 410.7198

 31.8779, 27.7068,
36.4886


 82.3704, 75.4919,
94.3051

 21.4233, 18.1047,
24.5191


 106.7954, 99.0279,
122.2751

 13.5480, 11.0252,
15.5034


135.6265,
127.0084, 155.2915

 7.8866, 6.0838,
9.0229

169.2288,
159.8177, 193.7730

 4.0736, 2.8961,
4.6591

207.9679,
197.8404, 238.1380

 1.7439, 1.0777,
1.9935

252.2091,

 0.4835, 0.0000,

241.4607, 288.8051

0.5512

302.3177,
291.0631, 346.1929

■ 0.0000, 0.0000,
0.0000

■ 45.2770, 40.2157,
51.8304

■ 45.2770, 40.2157,
51.8304

■ 41.3936, 33.6399,
46.8629

■ 49.7662, 47.9405,
57.1901

■ 38.0841, 28.1519,
42.2729

■ 54.8840, 56.8607,
62.9510

■ 35.3190, 23.6932,
38.0483

■ 60.6563, 67.0269,
69.1249

■ 33.0648, 20.1973,
34.1749

■ 67.1066, 78.4849,
75.7220

■ 31.2838, 17.5903,
30.6372

■ 73.2908, 89.3461,
82.4303

■ 29.9330, 15.7869,
27.4180

■ 74.2739, 89.7393,
87.6073

■ 28.9610, 14.6853,
24.4969

■ 75.2985, 90.1491,
93.0029

■ 28.3982, 14.1730,
22.4187

■ 76.3651, 90.5758,
98.6196

■ 77.4743, 91.0194,
104.4601

Harmonies

Analogous

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



42.8390, 40.2157, 61.9579



45.2770, 40.2157, 51.8304



45.7644, 40.2157, 40.8960

Triad

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



45.2770, 40.2157, 51.8304



37.2002, 40.2157, 26.4540



32.8692, 40.2157, 57.7777

Complementary

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



45.2770, 40.2157, 51.8304



42.5696, 52.4274, 47.4134

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.



31.5607, 40.2157, 46.8133



45.2770, 40.2157, 51.8304



33.9527, 40.2157, 29.5709

Square

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



45.2770, 40.2157, 51.8304



40.9375, 40.2157, 27.3518



31.9440, 40.2157, 36.6239



35.6328, 40.2157, 65.7616

Rectangle

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



45.2770, 40.2157, 51.8304



44.8894, 40.2157, 34.7633



31.9440, 40.2157, 36.6239



32.2531, 40.2157, 54.2535

Sweetspot

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



45.2782, 40.2175, 51.8312



88.6124, 88.7332, 101.7957



39.8977, 37.2361, 60.9621



18.8534, 18.7951, 21.6609



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.



45.2782, 40.2175, 51.8312



73.1863, 62.1834, 83.3901



43.0938, 39.3437, 40.3285



11.5116, 11.3334, 13.2287



18.3175, 9.1376, 14.6564



0.9803, 0.4855, 0.9420

Inverse Universe

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



45.2782, 40.2175, 51.8312



73.1863, 62.1834, 83.3901



44.9051, 53.3616, 59.7120



11.5116, 11.3334, 13.2287



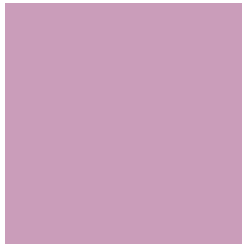
18.3175, 9.1376, 14.6564



0.9803, 0.4855, 0.9420

Previews

White Background



This preview shows how the XYZ color 45.2770, 40.2157, 51.8304 looks on a white background.

Color Contrast Check

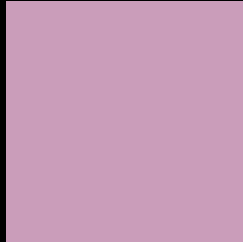
Large Text (above 18pt) WCAG AA × Fail

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 45.2770, 40.2157, 51.8304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

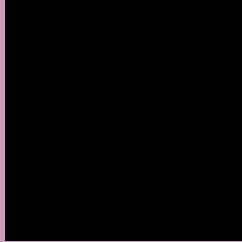
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2770, 40.2157, 51.8304

Background



This preview shows how black text looks on a background with the XYZ color 45.2770, 40.2157, 51.8304.



This preview shows how white text looks on a background with the XYZ color 45.2770, 40.2157,

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

45.2770, 40.2157, 51.8304

Protanopia

39.6515, 40.3780, 56.7428

Deuteranopia

41.1103, 40.4364, 50.9857



Tritanopia

43.6639, 40.0542, 44.4596

Trichromacy



Original Color

45.2770, 40.2157, 51.8304

Protanomaly

41.4495, 40.2556, 54.8757

Deuteranomaly

42.5932, 40.3885, 51.4498

Tritanomaly

44.2501, 40.0456, 46.9923

Monochromacy



Original Color

45.2770, 40.2157, 51.8304

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.8057, 41.4100, 47.9090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2770, 40.2157, 51.8304 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(202, 157, 186)` looks like.

```
.text, #text, p{  
    color:rgb(202, 157, 186)  
}
```

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(202, 157, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 157, 186) }
```

Border

The CSS property to change the border of an element to XYZ 45.2770, 40.2157, 51.8304 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(202, 157, 186) }
```


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

```
.border{ border-color:rgb(202, 157, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 157, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 157, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 157, 186);  
box-shadow:4px 4px 4px 4px rgb(202, 157,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2770, 40.2157, 51.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 157, 186) }
```

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

```
.background{ background-color: rgb(202,  
157, 186) }
```

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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