

Converting Colors

XYZ(40.0435, 34.8002, 53.4030)

Have a look what the booklet for
XYZ(40.0435, 34.8002, 53.4030)
contains.

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Color

**XYZ(40.0667, 34.8403,
53.3283)**

Conversions

Conversions Part 1

Format	Color
Hex	BB92BE
RGB	187, 146, 190
RGB Percent	73%, 57%, 75%
CMY	0.2667, 0.4274, 0.2549
CMYK	0.02, 0.23, 0.00, 0.25
HSL	296°, 25%, 66%
HSV	296°, 23%, 75%
XYZ	40.0667, 34.8403, 53.3283
YIQ	163.2750, 10.3120, 22.3760

Conversions

Conversions Part 2

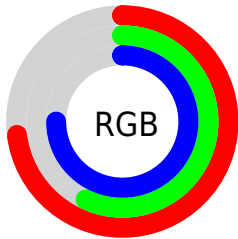
Format	Color
R _Y B	187, 146, 190
Decimal	12292798
CIE Lab	65.62, 23.07, -16.92
CIE LCh	66, 28.613, 323.749
Yxy	34.8403, 0.3124, 0.2717
Android (android.graphics.Color)	4290482878 (0xFFBB92BE)
YUV	163.2750, 13.1754, 20.8068
Hunter-Lab	59.0257, 17.8711, -12.2491

Details

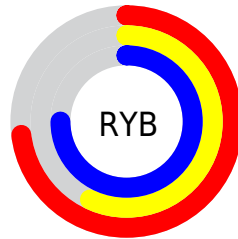
The XYZ color **40.0667, 34.8403, 53.3283** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.9974, 45.2927, 34.0410**, and the grayscale version is **34.8799, 36.6963, 39.9623**.

A 20% lighter version of the original color is **74.5971, 67.1955, 96.2271**, and **18.2804, 14.9771, 25.5943** is the 20% darker color. If you saturate the color by 10%, you get **37.0626, 29.2999, 52.4177**, and if you desaturate by 10%, it is **43.5625, 41.3587, 54.4027**.

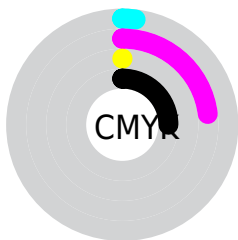
Distribution



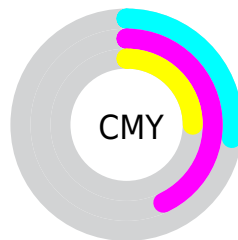
- Red (73%)
- Green (57%)
- Blue (75%)



- Red (73%)
- Yellow (57%)
- Blue (75%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (25%)




- Cyan (27%)
- Magenta (43%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0667, 34.8403, 53.3283 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 40.0667, 34.8403, 53.3283 by changing the saturation by 10% instead.


 40.0667, 34.8403,
53.3283


 40.0667, 34.8403,
53.3283


337.5342,
323.8629, 416.6454

 27.7750, 23.5399,
37.6754


 74.5488, 67.2383,
96.5337

 18.2957, 14.9927,
25.4310

 97.4698, 89.1047,
124.9233

 11.2635, 8.8142,
16.1765


124.6647,
115.2618, 158.3956

 6.3129, 4.6202,
9.4934

156.4988,
146.0941, 197.3690

 3.0787, 2.0262,
4.9632

193.3375,
181.9860, 242.2621

 1.1955, 0.6226,
2.1673

235.5460,

 0.1028, 0.0000,

223.3218, 293.4936

0.6554

283.4898,
270.4860, 351.4818

■ 0.0000, 0.0000,
0.0000

■ 40.0667, 34.8403,
53.3283

■ 40.0667, 34.8403,
53.3283

■ 37.0626, 29.2999,
52.4177

■ 43.5625, 41.3587,
54.4027

■ 34.5231, 24.6849,
51.6608

■ 47.5692, 48.8953,
55.6463

■ 32.4230, 20.9446,
51.0495

■ 52.1089, 57.4935,
57.0666

■ 30.7337, 18.0217,
50.5744

■ 57.2014, 67.1931,
58.6704

■ 29.4232, 15.8521,
50.2247

■ 62.8655, 78.0315,
60.4639

■ 28.4545, 14.3620,
49.9881

■ 67.5015, 86.8097,
61.9139

■ 27.7833, 13.4629,
49.8500

■ 67.8372, 86.9827,
61.9297

■ 27.4367, 13.0704,
49.7925

■ 68.1758, 87.1573,
61.9455

■ 68.5173, 87.3333,
61.9615

Harmonies

Analogous

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



36.4762, 34.8403, 63.3000



40.0667, 34.8403, 53.3283



41.8126, 34.8403, 40.5107

Triad

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



40.0667, 34.8403, 53.3283



34.0022, 34.8403, 19.2698



26.2564, 34.8403, 48.0376

Complementary

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



40.0667, 34.8403, 53.3283



35.9974, 45.2927, 34.0410

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.



25.7152, 34.8403, 35.4711



40.0667, 34.8403, 53.3283



29.9663, 34.8403, 20.4531

Square

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



40.0667, 34.8403, 53.3283



38.1255, 34.8403, 22.1678



27.0172, 34.8403, 25.8319



28.5633, 34.8403, 59.8214

Rectangle

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



40.0667, 34.8403, 53.3283



41.5987, 34.8403, 32.6973



27.0172, 34.8403, 25.8319



25.8705, 34.8403, 43.7045

Sweetspot

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



40.0678, 34.8418, 53.3291



83.2148, 82.9739, 99.9088



32.0031, 31.5369, 53.1162



18.1750, 18.0355, 21.9086



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.0678, 34.8418, 53.3291



69.6153, 57.6031, 95.7285



38.9296, 34.4722, 43.4652



9.8640, 9.6623, 12.0173



18.2705, 8.7049, 33.1101



0.7351, 0.3510, 1.2979

Inverse Universe

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



36.9401, 33.6764, 32.9886



62.9479, 55.1264, 52.0209



36.9997, 45.6312, 42.1390



9.5558, 9.5466, 10.0501



14.1794, 7.3029, 0.9722



0.5645, 0.2897, 0.0861

Previews

White Background



This preview shows how the XYZ color 40.0667, 34.8403, 53.3283 looks on a white background.

Color Contrast Check

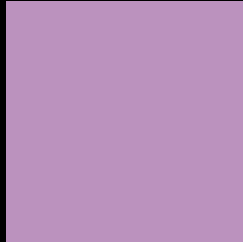
Large Text (above 18pt) WCAG AA × Fail

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 40.0667, 34.8403, 53.3283 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 40.0667, 34.8403, 53.3283

Background



This preview shows how black text looks on a background with the XYZ color 40.0667, 34.8403, 53.3283.



This preview shows how white text looks on a background with the XYZ color 40.0667, 34.8403,

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

40.0667, 34.8403, 53.3283

Protanopia

34.9976, 35.0150, 58.3401

Deuteranopia

35.6635, 34.9848, 52.4500



Tritanopia

37.2059, 34.8448, 39.4151

Trichromacy



Original Color

40.0667, 34.8403, 53.3283

Protanomaly

36.5102, 34.8379, 56.4298

Deuteranomaly

36.9911, 34.6766, 52.8877

Tritanomaly

38.0574, 34.7024, 44.2275

Monochromacy



Original Color

40.0667, 34.8403, 53.3283

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.6131, 35.9017, 44.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0667, 34.8403, 53.3283 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(187, 146, 190)` looks like.

```
.text, #text, p{  
    color:rgb(187, 146, 190)  
}
```

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(187, 146, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 146, 190) }
```

Border

The CSS property to change the border of an element to XYZ 40.0667, 34.8403, 53.3283 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(187, 146, 190) }
```


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

```
.border{ border-color:rgb(187, 146, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 146, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 146, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 146, 190); box-shadow:4px 4px 4px 4px rgb(187, 146, 190) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0667, 34.8403, 53.3283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 146, 190) }
```

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

```
.background{ background-color: rgb(187,  
146, 190) }
```

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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