

Converting Colors

XYZ(40.2817, 34.0582, 47.1275)

Have a look what the booklet for
XYZ(40.2817, 34.0582, 47.1275)
contains.

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Color

**XYZ(40.1672, 33.9065,
47.0754)**

Conversions

Conversions Part 1

Format	Color
Hex	C38DB3
RGB	195, 141, 179
RGB Percent	76%, 55%, 70%
CMY	0.2353, 0.4470, 0.2980
CMYK	0.00, 0.28, 0.08, 0.24
HSL	318°, 31%, 66%
HSV	318°, 28%, 76%
XYZ	40.1672, 33.9065, 47.0754
YIQ	161.4780, 19.9860, 23.2660

Conversions

Conversions Part 2

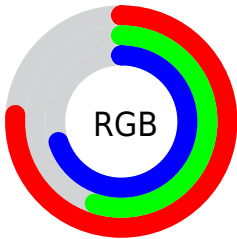
Format	Color
R _Y B	195, 141, 179
Decimal	12815795
CIE Lab	64.89, 26.56, -11.77
CIE LCh	65, 29.050, 336.102
Yxy	33.9065, 0.3316, 0.2799
Android (android.graphics.Color)	4291005875 (0xFFC38DB3)
YUV	161.4780, 8.6383, 29.3988
Hunter-Lab	58.2293, 21.2300, -7.1724

Details

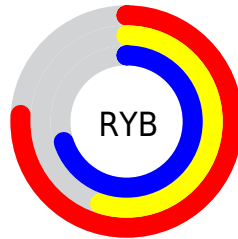
The XYZ color **40.1672, 33.9065, 47.0754** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.5868, 47.1282, 39.0686**, and the grayscale version is **34.0540, 35.8275, 39.0161**.

A 20% lighter version of the original color is **74.6554, 65.7238, 87.3485**, and **18.4066, 14.4814, 21.5637** is the 20% darker color. If you saturate the color by 10%, you get **36.9691, 28.4257, 43.1865**, and if you desaturate by 10%, it is **43.8980, 40.4126, 51.2635**.

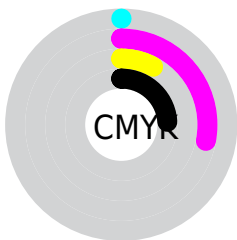
Distribution



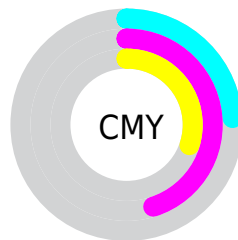
- Red (76%)
- Green (55%)
- Blue (70%)



- Red (76%)
- Yellow (55%)
- Blue (70%)



- Cyan (0%)
- Magenta (28%)
- Yellow (8%)
- Black (24%)





- Cyan (24%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1672, 33.9065, 47.0754 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 40.1672, 33.9065, 47.0754 by changing the saturation by 10% instead.


 40.1672, 33.9065,
47.0754


 40.1672, 33.9065,
47.0754


337.9501,
319.7149, 391.5179

 27.8537, 22.8218,
32.7405


 74.7008, 65.7882,
87.1773

 18.3553, 14.4620,
21.6582


 97.6516, 87.3541,
113.7814

 11.3066, 8.4427,
13.4101


 124.8789,
113.1824, 145.3123

 6.3423, 4.3795,
7.5775

156.7480,
143.6575, 182.1886

 3.0969, 1.8880,
3.7419

193.6244,
179.1640, 224.8287

 1.2052, 0.5412,
1.4849

235.8733,

 0.1105, 0.0000,

220.0861, 273.6513

0.2066

283.8601,
266.8083, 329.0748

■ 0.0000, 0.0000,
0.0000

■ 40.1672, 33.9065,
47.0754

■ 40.1672, 33.9065,
47.0754

■ 36.9691, 28.4257,
43.1865

■ 43.8980, 40.4126,
51.2635

■ 34.2739, 23.9123,
39.5842

■ 48.1834, 47.9888,
55.7584

■ 32.0533, 20.3099,
36.2580

■ 53.0477, 56.6826,
60.5699

■ 30.2749, 17.5542,
33.1955

■ 58.5128, 66.5375,
65.7067

■ 28.9021, 15.5724,
30.3831

■ 64.5995, 77.5945,
71.1772

■ 27.8921, 14.2794,
27.8049

■ 70.3614, 87.9604,
76.6672

■ 27.1824, 13.5510,
25.4384

■ 71.1112, 88.2603,
80.6155

■ 27.0370, 13.4146,
24.9137

■ 71.8874, 88.5708,
84.7031

■ 72.6903, 88.8920,
88.9313

Harmonies

Analogous

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



37.2104, 33.9065, 58.8717



40.1672, 33.9065, 47.0754



40.9189, 33.9065, 34.5201

Triad

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



40.1672, 33.9065, 47.0754



31.3784, 33.9065, 18.4021



26.1468, 33.9065, 52.2484

Complementary

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



40.1672, 33.9065, 47.0754



36.5868, 47.1282, 39.0686

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.



24.8626, 33.9065, 39.4253



40.1672, 33.9065, 47.0754



27.7099, 33.9065, 21.2394

Square

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



40.1672, 33.9065, 47.0754



35.6019, 33.9065, 19.5880



25.4091, 33.9065, 28.3388



29.0726, 33.9065, 62.2825

Rectangle

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



40.1672, 33.9065, 47.0754



40.0158, 33.9065, 27.6701



25.4091, 33.9065, 28.3388



25.5209, 33.9065, 48.0271

Sweetspot

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



40.1682, 33.9080, 47.0761



85.9424, 85.3183, 99.5024



33.1451, 30.0895, 55.6912



18.5498, 18.2033, 21.5126



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.



40.1682, 33.9080, 47.0761



68.4933, 54.7965, 80.1942



37.7568, 32.9434, 34.3776



10.3660, 10.1950, 12.0179



17.6108, 8.7341, 16.3943



0.7900, 0.3890, 0.8614

Inverse Universe

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



40.1682, 33.9080, 47.0761



68.4933, 54.7965, 80.1942



39.0793, 48.1252, 52.1939



10.3660, 10.1950, 12.0179



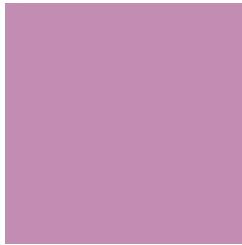
17.6108, 8.7341, 16.3943



0.7900, 0.3890, 0.8614

Previews

White Background



This preview shows how the XYZ color 40.1672, 33.9065, 47.0754 looks on a white background.

Color Contrast Check

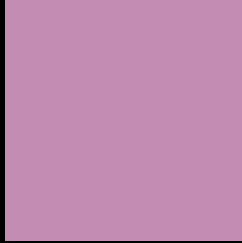
Large Text (above 18pt) WCAG AA × Fail

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 40.1672, 33.9065, 47.0754 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 40.1672, 33.9065, 47.0754

Background



This preview shows how black text looks on a background with the XYZ color 40.1672, 33.9065, 47.0754.



This preview shows how white text looks on a background with the XYZ color 40.1672, 33.9065,

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

40.1672, 33.9065, 47.0754

Protanopia

33.8363, 34.0304, 52.9293

Deuteranopia

34.8013, 34.1780, 46.3578



Tritanopia

37.8644, 33.8576, 35.9920

Trichromacy



Original Color

40.1672, 33.9065, 47.0754

Protanomaly

35.7599, 33.8515, 50.5482

Deuteranomaly

36.4625, 33.8232, 46.7262

Tritanomaly

38.6664, 33.9643, 39.6398

Monochromacy



Original Color

40.1672, 33.9065, 47.0754

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.8571, 34.8226, 41.8773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1672, 33.9065, 47.0754 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(195, 141, 179)` looks like.

```
.text, #text, p{  
    color:rgb(195, 141, 179)  
}
```

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(195, 141, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 141, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.1672, 33.9065, 47.0754 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(195, 141, 179) }
```


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

```
.border{ border-color:rgb(195, 141, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 141, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 141, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 141, 179); box-shadow:4px 4px 4px 4px rgb(195, 141, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1672, 33.9065, 47.0754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 141, 179) }
```

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

```
.background{ background-color: rgb(195,  
141, 179) }
```

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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