

Converting Colors

XYZ(40.3740, 34.0954, 47.6074)

Have a look what the booklet for XYZ(40.3740, 34.0954, 47.6074) contains.

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Color

**XYZ(40.2688, 33.9471,
47.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	C38DB4
RGB	195, 141, 180
RGB Percent	76%, 55%, 71%
CMY	0.2353, 0.4470, 0.2941
CMYK	0.00, 0.28, 0.08, 0.24
HSL	317°, 31%, 66%
HSV	317°, 28%, 76%
XYZ	40.2688, 33.9471, 47.6101
YIQ	161.5920, 19.6650, 23.5770

Conversions

Conversions Part 2

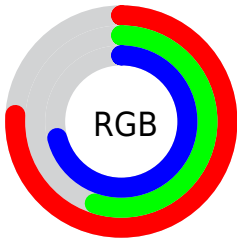
Format	Color
RYB	195, 141, 180
Decimal	12815796
CIELab	64.92, 26.74, -12.28
CIELCh	65, 29.423, 335.325
Yxy	33.9471, 0.3305, 0.2787
Android (android.graphics.Color)	4291005876 (0xFFC38DB4)
YUV	161.5920, 9.0751, 29.2988
Hunter-Lab	58.2641, 21.4066, -7.6635

Details

The XYZ color **40.2688, 33.9471, 47.6101** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.5018, 47.0943, 38.6208**, and the grayscale version is **34.1053, 35.8814, 39.0749**.

A 20% lighter version of the original color is **74.8003, 65.7818, 88.1116**, and **18.4714, 14.5074, 21.9053** is the 20% darker color. If you saturate the color by 10%, you get **37.1018, 28.4787, 43.8849**, and if you desaturate by 10%, it is **43.9656, 40.4396, 51.6191**.

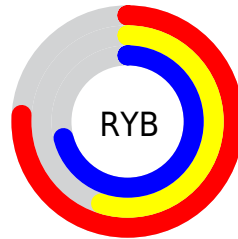
Distribution



Red (76%)

Green (55%)

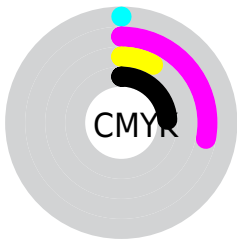
Blue (71%)



Red (76%)

Yellow (55%)

Blue (71%)

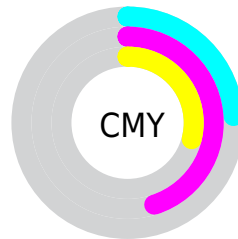


Cyan (0%)

Magenta (28%)

Yellow (8%)

Black (24%)



Cyan (24%)


Magenta (45%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2688, 33.9471, 47.6101 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 40.2688, 33.9471, 47.6101 by changing the saturation by 10% instead.


 40.2688, 33.9471,
47.6101


 40.2688, 33.9471,
47.6101

338.3702,
319.8961, 393.7086


 27.9333, 22.8530,
33.1604


 74.8544, 65.8514,
87.9831

 18.4156, 14.4850,
21.9772


 97.8352, 87.4303,
114.7435

 11.3503, 8.4587,
13.6420


 125.0952,
113.2730, 146.4446

 6.3720, 4.3899,
7.7362

156.9998,
143.7638, 183.5048

 3.1154, 1.8939,
3.8413

193.9142,
179.2871, 226.3428

 1.2151, 0.5447,
1.5387

236.2038,

 0.1182, 0.0000,

220.2274, 275.3771

0.2465

284.2341,
266.9689, 331.0262

■ 0.0000, 0.0000,
0.0000

■ 40.2688, 33.9471,
47.6101

■ 40.2688, 33.9471,
47.6101

■ 37.1018, 28.4787,
43.8849

■ 43.9656, 40.4396,
51.6191

■ 34.4349, 23.9766,
40.4313

■ 48.2140, 48.0010,
55.9191

■ 32.2397, 20.3844,
37.2389

■ 53.0383, 56.6788,
60.5199

■ 30.4839, 17.6378,
34.2958

■ 58.4603, 66.5164,
65.4298

■ 29.1311, 15.6640,
31.5885

■ 64.5008, 77.5550,
70.6570

■ 28.1384, 14.3779,
29.1014

■ 70.2133, 87.9012,
75.8869

■ 27.4435, 13.6555,
26.8125

■ 70.9105, 88.1801,
79.5583

■ 27.3011, 13.5203,
26.3038

■ 71.6309, 88.4682,
83.3518

■ 72.3746, 88.7657,
87.2684

Harmonies

Analogous

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



37.2210, 33.9471, 59.5135



40.2688, 33.9471, 47.6101



41.0979, 33.9471, 34.8347

Triad

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



40.2688, 33.9471, 47.6101



31.5139, 33.9471, 18.2254



26.0516, 33.9471, 52.1999

Complementary

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



40.2688, 33.9471, 47.6101



36.5018, 47.0943, 38.6208

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.



24.7993, 33.9471, 39.1755



40.2688, 33.9471, 47.6101



27.7709, 33.9471, 20.9776

Square

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



40.2688, 33.9471, 47.6101



35.7960, 33.9471, 19.5249



25.4001, 33.9471, 28.0342



28.9755, 33.9471, 62.5447

Rectangle

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



40.2688, 33.9471, 47.6101



40.2235, 33.9471, 27.8349



25.4001, 33.9471, 28.0342



25.4335, 33.9471, 47.8950

Sweetspot

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



40.2698, 33.9486, 47.6108



86.0000, 85.3414, 99.8058



32.9711, 29.9998, 55.6832



18.5648, 18.2092, 21.5911



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.



40.2698, 33.9486, 47.6108



68.7081, 54.8825, 81.3258



37.8313, 32.9732, 34.7696



10.3741, 10.1982, 12.0604



17.7811, 8.8022, 17.2914



0.7963, 0.3915, 0.8945

Inverse Universe

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



40.2698, 33.9486, 47.6108



68.7081, 54.8825, 81.3258



38.9857, 48.0879, 51.7012



10.3741, 10.1982, 12.0604



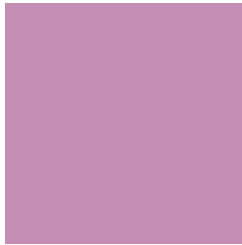
17.7811, 8.8022, 17.2914



0.7963, 0.3915, 0.8945

Previews

White Background



This preview shows how the XYZ color 40.2688, 33.9471, 47.6101 looks on a white background.

Color Contrast Check

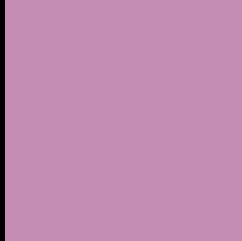
Large Text (above 18pt) WCAG AA × Fail

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 40.2688, 33.9471, 47.6101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

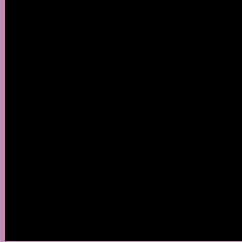
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2688, 33.9471, 47.6101

Background



This preview shows how black text looks on a background with the XYZ color 40.2688, 33.9471, 47.6101.



This preview shows how white text looks on a background with the XYZ color 40.2688, 33.9471,

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

40.2688, 33.9471, 47.6101

Protanopia

33.9452, 34.0739, 53.5030

Deuteranopia

34.9013, 34.2181, 46.8847



Tritanopia

37.8644, 33.8576, 35.9920

Trichromacy



Original Color

40.2688, 33.9471, 47.6101

Protanomaly

35.8659, 33.8939, 51.1062

Deuteranomaly

36.5633, 33.8635, 47.2570

Tritanomaly

38.7571, 34.0006, 40.1174

Monochromacy



Original Color

40.2688, 33.9471, 47.6101

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

36.1726, 34.9744, 42.3804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2688, 33.9471, 47.6101 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(195, 141, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 141, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.2688, 33.9471, 47.6101 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, 180) }
```


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

```
.border{ border-color:rgb(195, 141, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 141, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 141, 180); box-shadow:4px 4px 4px 4px rgb(195, 141, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2688, 33.9471, 47.6101 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, 180) }
```

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

```
.background{ background-color: rgb(195,  
141, 180) }
```

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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