

Converting Colors

XYZ(40.2204, 36.6898, 46.5906)

Have a look what the booklet for
XYZ(40.2204, 36.6898, 46.5906)
contains.

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Color

**XYZ(40.3133, 36.7756,
46.5686)**

Conversions

Conversions Part 1

Format	Color
Hex	BD99B1
RGB	189, 153, 177
RGB Percent	74%, 60%, 69%
CMY	0.2588, 0.4000, 0.3059
CMYK	0.00, 0.19, 0.06, 0.26
HSL	320°, 21%, 67%
HSV	320°, 19%, 74%
XYZ	40.3133, 36.7756, 46.5686
YIQ	166.5000, 13.7520, 15.0960

Conversions

Conversions Part 2

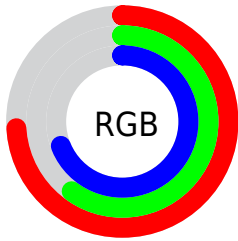
Format	Color
RYB	189, 153, 177
Decimal	12425649
CIELab	67.11, 17.44, -7.40
CIELCh	67, 18.948, 337.024
Yxy	36.7756, 0.3260, 0.2974
Android (android.graphics.Color)	4290615729 (0xFFBD99B1)
YUV	166.5000, 5.1765, 19.7325
Hunter-Lab	60.6429, 12.5356, -3.0797

Details

The XYZ color **40.3133, 36.7756, 46.5686** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.1275, 45.8851, 42.4466**, and the grayscale version is **36.4595, 38.3582, 41.7721**.

A 20% lighter version of the original color is **75.0268, 70.1017, 86.6674**, and **18.3811, 16.1089, 21.2093** is the 20% darker color. If you saturate the color by 10%, you get **36.8482, 30.8269, 42.3865**, and if you desaturate by 10%, it is **44.2995, 43.7191, 51.0683**.

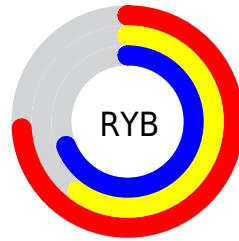
Distribution



Red (74%)

Green (60%)

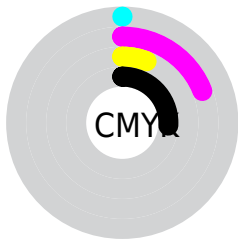
Blue (69%)



Red (74%)

Yellow (60%)

Blue (69%)

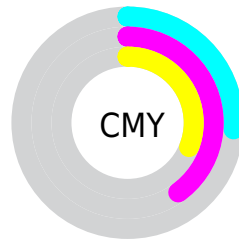


Cyan (0%)

Magenta (19%)

Yellow (6%)

Black (26%)



Cyan (26%)


Magenta (40%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3133, 36.7756, 46.5686 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 40.3133, 36.7756, 46.5686 by changing the saturation by 10% instead.


 40.3133, 36.7756,
46.5686


 40.3133, 36.7756,
46.5686

338.5541,
332.3380, 389.4337

 27.9682, 25.0338,
32.3428


 74.9217, 70.2275,
86.4125

 18.4420, 16.1022,
21.3565


 97.9157, 92.7064,
112.8678

 11.3694, 9.5965,
13.1911


125.1900,
119.5332, 144.2367

 6.3850, 5.1323,
7.4280

157.1100,
151.0921, 180.9377

 3.1234, 2.3251,
3.6487

194.0411,
187.7677, 223.3893

 1.2194, 0.7869,
1.4347

236.3485,

 0.1216, 0.0000,

229.9442, 272.0102

0.1685

284.3978,
278.0062, 327.2188

■ 0.0000, 0.0000,
0.0000

■ 40.3133, 36.7756,
46.5686

■ 40.3133, 36.7756,
46.5686

■ 36.8482, 30.8269,
42.3865

■ 44.2995, 43.7191,
51.0683

■ 33.8776, 25.8218,
38.5100

■ 48.8256, 51.6957,
55.8925

■ 31.3773, 21.7123,
34.9296

■ 53.9130, 60.7476,
61.0506

■ 29.3197, 18.4438,
31.6339

■ 59.5814, 70.9130,
66.5509

■ 27.6744, 15.9558,
28.6109

■ 65.8492, 82.2287,
72.4014

■ 26.4066, 14.1798,
25.8468

■ 68.9872, 87.2352,
77.3607

■ 25.4757, 13.0350,
23.3261

■ 69.8117, 87.5650,
81.7026

■ 24.8105, 12.3799,
21.0227

■ 70.6678, 87.9075,
86.2106

■ 24.7520, 12.3252,
20.8112

■ 71.5557, 88.2626,
90.8863

Harmonies

Analogous

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



38.4014, 36.7756, 54.1106



40.3133, 36.7756, 46.5686



40.7530, 36.7756, 38.1312

Triad

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



40.3133, 36.7756, 46.5686



34.2803, 36.7756, 26.2554



30.7102, 36.7756, 50.3891

Complementary

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



40.3133, 36.7756, 46.5686



38.1275, 45.8851, 42.4466

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.



29.7331, 36.7756, 42.0163



40.3133, 36.7756, 46.5686



31.7195, 36.7756, 28.6519

Square

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



40.3133, 36.7756, 46.5686



37.1642, 36.7756, 27.1260



30.0923, 36.7756, 34.1563



32.8334, 36.7756, 56.5197

Rectangle

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



40.3133, 36.7756, 46.5686



40.1315, 36.7756, 33.2499



30.0923, 36.7756, 34.1563



30.2423, 36.7756, 47.7021

Sweetspot

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



40.3144, 36.7772, 46.5694



81.6283, 82.3180, 93.9496



36.0951, 34.4578, 52.8933



17.4437, 17.5086, 20.0846



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



40.3144, 36.7772, 46.5694



69.4074, 61.0479, 80.0984



38.6368, 36.1062, 37.7355



9.7911, 9.6407, 11.2887



16.6904, 8.3073, 14.1950



0.6830, 0.3371, 0.7097

Inverse Universe

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



40.3144, 36.7772, 46.5694



69.4074, 61.0479, 80.0984



39.8829, 46.5873, 51.6908



9.7911, 9.6407, 11.2887



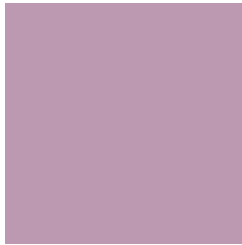
16.6904, 8.3073, 14.1950



0.6830, 0.3371, 0.7097

Previews

White Background



This preview shows how the XYZ color 40.3133, 36.7756, 46.5686 looks on a white background.

Color Contrast Check

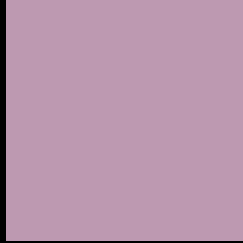
Large Text (above 18pt) WCAG AA × Fail

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 40.3133, 36.7756, 46.5686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

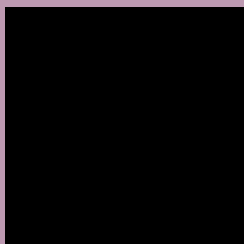
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3133, 36.7756, 46.5686

Background



This preview shows how black text looks on a background with the XYZ color 40.3133, 36.7756, 46.5686.



This preview shows how white text looks on a background with the XYZ color 40.3133, 36.7756,

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

40.3133, 36.7756, 46.5686

Protanopia

36.1655, 36.8366, 50.0038

Deuteranopia

37.6902, 36.9295, 46.2159



Tritanopia

39.4354, 36.9241, 41.6078

Trichromacy



Original Color

40.3133, 36.7756, 46.5686

Protanomaly

37.5332, 36.7904, 48.8391

Deuteranomaly

38.4838, 36.8322, 46.1553

Tritanomaly

39.6453, 36.7428, 43.5306

Monochromacy



Original Color

40.3133, 36.7756, 46.5686

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.9502, 37.8949, 43.8423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3133, 36.7756, 46.5686 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(189, 153, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 153, 177)  
}
```

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(189, 153, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 153, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.3133, 36.7756, 46.5686 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(189, 153, 177) }
```


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

```
.border{ border-color:rgb(189, 153, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 153, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 153, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 153, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 153,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3133, 36.7756, 46.5686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 153, 177) }
```

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

```
.background{ background-color: rgb(189,  
153, 177) }
```

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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