

Converting Colors

XYZ(40.7678, 38.5948, 46.5987)

Have a look what the booklet for
XYZ(40.7678, 38.5948, 46.5987)
contains.

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Color

**XYZ(40.7281, 38.4957,
46.3581)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9FB0
RGB	187, 159, 176
RGB Percent	73%, 62%, 69%
CMY	0.2667, 0.3765, 0.3098
CMYK	0.00, 0.15, 0.06, 0.27
HSL	324°, 17%, 68%
HSV	324°, 15%, 73%
XYZ	40.7281, 38.4957, 46.3581
YIQ	169.3100, 11.2310, 11.2230

Conversions

Conversions Part 2

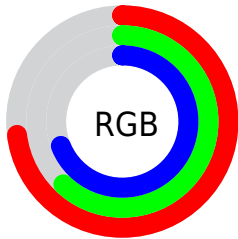
Format	Color
RYB	187, 159, 176
Decimal	12296112
CIELab	68.38, 13.23, -4.97
CIElCh	68, 14.131, 339.413
Yxy	38.4957, 0.3243, 0.3065
Android (android.graphics.Color)	4290486192 (0xFFBB9FB0)
YUV	169.3100, 3.2982, 15.5141
Hunter-Lab	62.0449, 8.5941, -0.8683

Details

The XYZ color **40.7281, 38.4957, 46.3581** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.3256, 45.8148, 44.8028**, and the grayscale version is **37.8468, 39.8177, 43.3615**.

A 20% lighter version of the original color is **75.5742, 72.9740, 86.4461**, and **18.7273, 17.0390, 21.3706** is the 20% darker color. If you saturate the color by 10%, you get **37.0453, 32.2618, 41.6406**, and if you desaturate by 10%, it is **44.9390, 45.7217, 51.4467**.

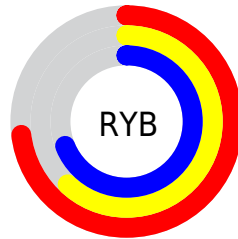
Distribution



Red (73%)

Green (62%)

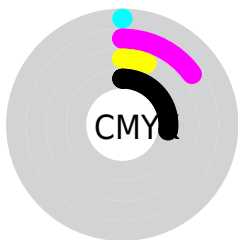
Blue (69%)



Red (73%)

Yellow (62%)

Blue (69%)

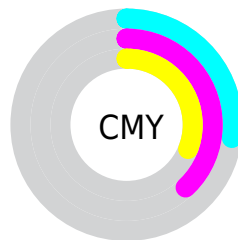


Cyan (0%)

Magenta (15%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (38%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7281, 38.4957, 46.3581 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 40.7281, 38.4957, 46.3581 by changing the saturation by 10% instead.


 40.7281, 38.4957,
46.3581


 40.7281, 38.4957,
46.3581


340.2650,
339.7416, 388.5658

 28.2934, 26.3676,
32.1778


 75.5483, 72.8673,
86.0946

 18.6885, 17.0989,
21.2314


 98.6645, 95.8796,
112.4879

 11.5481, 10.3050,
13.1004


126.0719,
123.2888, 143.7892

 6.5068, 5.6017,
7.3662

158.1360,
155.4792, 180.4171

 3.1992, 2.6044,
3.6102

195.2219,
192.8354, 222.7902

 1.2599, 0.9289,
1.4140

237.6952,

 0.1529, 0.0000,

235.7415, 271.3270

0.1526

285.9211,
284.5822, 326.4460

■ 0.0000, 0.0000,
0.0000

■ 40.7281, 38.4957,
46.3581

■ 40.7281, 38.4957,
46.3581

■ 37.0453, 32.2618,
41.6406

■ 44.9390, 45.7217,
51.4467

■ 33.8649, 26.9711,
37.2812

■ 49.6956, 53.9758,
56.9139

■ 31.1638, 22.5781,
33.2696

■ 55.0188, 63.2984,
62.7700

■ 28.9160, 19.0317,
29.5938

■ 60.9276, 73.7262,
69.0242

■ 27.0926, 16.2755,
26.2412

■ 67.4398, 85.2941,
75.6851

■ 25.6616, 14.2460,
23.1974

■ 69.1832, 87.2567,
80.9649

■ 24.5857, 12.8700,
20.4467

■ 70.1785, 87.6548,
86.2063

■ 23.8198, 12.0586,
17.9705

■ 71.2172, 88.0703,
91.6759

■ 23.5042, 11.7691,
16.8119

■ 72.2997, 88.5033,
97.3763

Harmonies

Analogous

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



39.3639, 38.4957, 52.0768



40.7281, 38.4957, 46.3581



40.9594, 38.4957, 39.9494

Triad

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



40.7281, 38.4957, 46.3581



35.8960, 38.4957, 30.9842



33.3922, 38.4957, 50.1575

Complementary

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



40.7281, 38.4957, 46.3581



39.3256, 45.8148, 44.8028

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.



32.5411, 38.4957, 43.9446



40.7281, 38.4957, 46.3581



33.9477, 38.4957, 33.1699

Square

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



40.7281, 38.4957, 46.3581



38.1091, 38.4957, 31.4901



32.7403, 38.4957, 37.7658



35.1099, 38.4957, 54.4195

Rectangle

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



40.7281, 38.4957, 46.3581



40.4309, 38.4957, 36.1989



32.7403, 38.4957, 37.7658



32.9985, 38.4957, 48.2038

Sweetspot

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



40.7292, 38.4974, 46.3589



81.2161, 83.1496, 92.9994



37.8893, 36.9025, 52.1400



17.7504, 18.0782, 20.3218



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.



40.7292, 38.4974, 46.3589



70.6523, 65.0478, 80.1500



39.4383, 37.9810, 39.5612



9.7668, 9.6310, 11.1612



16.2307, 8.1235, 11.7746



0.6671, 0.3307, 0.6260

Inverse Universe

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



40.7292, 38.4974, 46.3589



70.6523, 65.0478, 80.1500



40.6934, 46.3619, 52.0056



9.7668, 9.6310, 11.1612



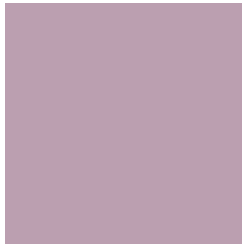
16.2307, 8.1235, 11.7746



0.6671, 0.3307, 0.6260

Previews

White Background



This preview shows how the XYZ color 40.7281, 38.4957, 46.3581 looks on a white background.

Color Contrast Check

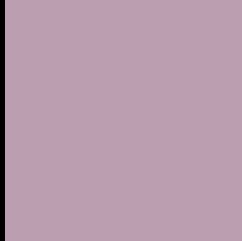
Large Text (above 18pt) WCAG AA × Fail

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 40.7281, 38.4957, 46.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

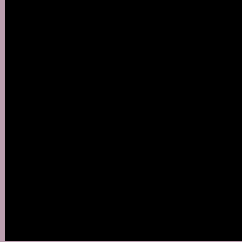
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7281, 38.4957, 46.3581

Background



This preview shows how black text looks on a background with the XYZ color 40.7281, 38.4957, 46.3581.



This preview shows how white text looks on a background with the XYZ color 40.7281, 38.4957,

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

40.7281, 38.4957, 46.3581

Protanopia

37.6003, 38.6747, 48.6632

Deuteranopia

39.2486, 38.5195, 45.9238



Tritanopia

40.2669, 38.5593, 44.3501

Trichromacy



Original Color

40.7281, 38.4957, 46.3581

Protanomaly

38.6894, 38.4477, 48.0298

Deuteranomaly

39.7741, 38.5300, 45.8981

Tritanomaly

40.3633, 38.5978, 44.8579

Monochromacy



Original Color

40.7281, 38.4957, 46.3581

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.8060, 39.1189, 44.5351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7281, 38.4957, 46.3581 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, 159, 176)` looks like.

```
.text, #text, p{  
    color:rgb(187, 159, 176)  
}
```

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, 159, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 159, 176) }
```

Border

The CSS property to change the border of an element to XYZ 40.7281, 38.4957, 46.3581 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, 159, 176) }
```


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

```
.border{ border-color:rgb(187, 159, 176) }
```

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

Here you see how a box with a 4 pixel rgb(187, 159, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 159, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 159, 176);  
box-shadow:4px 4px 4px 4px rgb(187, 159,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7281, 38.4957, 46.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 159, 176) }
```

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

```
.background{ background-color: rgb(187,  
159, 176) }
```

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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