

Converting Colors

XYZ(40.2011, 40.9493, 48.2995)

Have a look what the booklet for
XYZ(40.2011, 40.9493, 48.2995)
contains.

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Color

**XYZ(40.2291, 40.8607,
48.4144)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A9B3
RGB	176, 169, 179
RGB Percent	69%, 66%, 70%
CMY	0.3098, 0.3372, 0.2980
CMYK	0.02, 0.06, 0.00, 0.30
HSL	282°, 6%, 68%
HSV	282°, 6%, 70%
XYZ	40.2291, 40.8607, 48.4144
YIQ	172.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

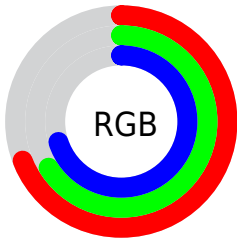
Format	Color
R _Y B	176, 169, 179
Decimal	11577779
CIE Lab	70.08, 4.38, -4.24
CIE LCh	70, 6.098, 315.935
Yxy	40.8607, 0.3106, 0.3155
Android (android.graphics.Color)	4289767859 (0xFFB0A9B3)
YUV	172.2330, 3.3361, 3.3037
Hunter-Lab	63.9224, 0.4736, -0.1602

Details

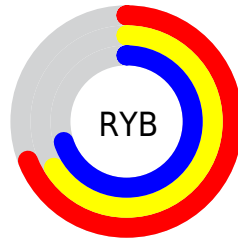
The XYZ color **40.2291, 40.8607, 48.4144** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.2964, 43.8765, 43.8834**, and the grayscale version is **39.3149, 41.3624, 45.0436**.

A 20% lighter version of the original color is **74.9298, 76.4653, 89.4073**, and **18.4394, 18.5140, 22.3404** is the 20% darker color. If you saturate the color by 10%, you get **35.9341, 34.0378, 47.3244**, and if you desaturate by 10%, it is **45.0304, 48.6237, 49.6604**.

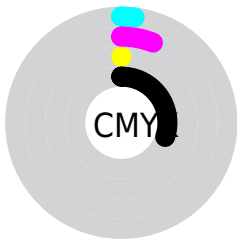
Distribution



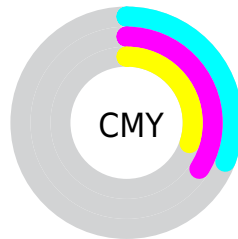
- Red (69%)
- Green (66%)
- Blue (70%)



- Red (69%)
- Yellow (66%)
- Blue (70%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (30%)



- Cyan (31%)
- Magenta (34%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2291, 40.8607, 48.4144 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 40.2291, 40.8607, 48.4144 by changing the saturation by 10% instead.

■ 40.2291, 40.8607,
48.4144

■ 40.2291, 40.8607,
48.4144

338.2061,
349.7381, 396.9884

■ 27.9022, 28.2103,
33.7929

■ 74.7944, 76.4724,
89.1930

■ 18.3920, 18.4842,
22.4584

■ 97.7635, 100.2024,
116.1872

■ 11.3332, 11.2982,
13.9926

125.0107,
128.3944, 148.1427

■ 6.3604, 6.2678,
7.9768

156.9014,
161.4328, 185.4780

■ 3.1081, 3.0086,
3.9926

193.8010,
199.7020, 228.6117

■ 1.2112, 1.1362,
1.6213

236.0747,

■ 0.1152, 0.0087,

243.5863, 277.9623

0.3059

284.0880,
293.4702, 333.9483

■ 0.0000, 0.0000,
0.0000

■ 40.2291, 40.8607,
48.4144

■ 40.2291, 40.8607,
48.4144

■ 35.9341, 34.0378,
47.3244

■ 45.0304, 48.6237,
49.6604

■ 32.1229, 28.1127,
46.3816

■ 50.3525, 57.3565,
51.0655

■ 28.7766, 23.0474,
45.5803

■ 56.2134, 67.0940,
52.6361

■ 25.8733, 18.7995,
44.9134

■ 62.6293, 77.8679,
54.3775

■ 23.3896, 15.3225,
44.3732

■ 68.4873, 87.4516,
55.9186

■ 21.2994, 12.5656,
43.9512

■ 69.9745, 88.2183,
55.9882

■ 19.5737, 10.4714,
43.6379

■ 71.5129, 89.0113,
56.0602

■ 18.1789, 8.9735,
43.4223

■ 73.1029, 89.8310,
56.1346

■ 17.0728, 7.9887,
43.2906

■ 74.7451, 90.6776,
56.2115

Harmonies

Analogous

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



39.3650, 40.8607, 49.9747



40.2291, 40.8607, 48.4144



40.7241, 40.8607, 45.8365

Triad

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



40.2291, 40.8607, 48.4144



39.3041, 40.8607, 39.3800



37.0245, 40.8607, 46.0130

Complementary

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



40.2291, 40.8607, 48.4144



40.2964, 43.8765, 43.8834

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.



37.0089, 40.8607, 43.1708



40.2291, 40.8607, 48.4144



38.3135, 40.8607, 39.4227

Square

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



40.2291, 40.8607, 48.4144



40.1839, 40.8607, 40.6650



37.4771, 40.8607, 40.7843



37.5203, 40.8607, 48.5484

Rectangle

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



40.2291, 40.8607, 48.4144



40.7728, 40.8607, 43.9257



37.4771, 40.8607, 40.7843



36.9632, 40.8607, 45.0598

Sweetspot

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



40.2303, 40.8625, 48.4153



74.9981, 77.9232, 87.4690



39.2848, 41.2600, 48.5419



16.6360, 17.2964, 19.3840



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



40.2303, 40.8625, 48.4153



70.8128, 71.2011, 86.3921



40.7320, 41.1424, 47.4775



8.7798, 8.8081, 10.7437



11.8234, 5.4310, 30.5621



0.4275, 0.1995, 0.9642

Inverse Universe

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



40.2262, 40.9401, 44.8140



70.8100, 71.3803, 78.2298



39.8186, 43.6102, 44.7656



8.7796, 8.8315, 9.6814



13.6283, 6.9689, 3.2029



0.4553, 0.2299, 0.2401

Previews

White Background



This preview shows how the XYZ color 40.2291, 40.8607, 48.4144 looks on a white background.

Color Contrast Check

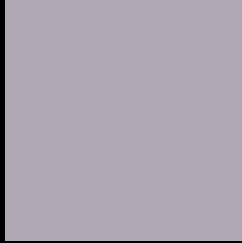
Large Text (above 18pt) WCAG AA × Fail

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 40.2291, 40.8607, 48.4144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

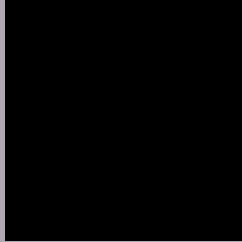
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2291, 40.8607, 48.4144

Background



This preview shows how black text looks on a background with the XYZ color 40.2291, 40.8607, 48.4144.

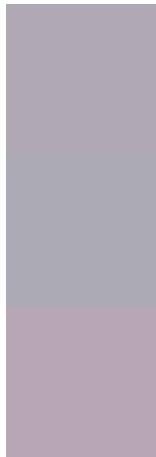


This preview shows how white text looks on a background with the XYZ color 40.2291, 40.8607,

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

40.2291, 40.8607, 48.4144

Protanopia

39.6262, 40.8154, 48.9697

Deuteranopia

41.6416, 40.7581, 48.8524



Tritanopia

40.5360, 40.9834, 50.0301

Trichromacy



Original Color

40.2291, 40.8607, 48.4144

Protanomaly

39.8465, 40.9290, 48.9800

Deuteranomaly

41.1130, 40.7565, 48.8799

Tritanomaly

40.4330, 40.9422, 49.4877

Monochromacy



Original Color

40.2291, 40.8607, 48.4144

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.5344, 41.1052, 46.4079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2291, 40.8607, 48.4144 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(176, 169, 179)` looks like.

```
.text, #text, p{  
    color:rgb(176, 169, 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(176, 169, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 169, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.2291, 40.8607, 48.4144 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(176, 169, 179) }
```


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

```
.border{ border-color:rgb(176, 169, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 169, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 169, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 169, 179);  
box-shadow:4px 4px 4px 4px rgb(176, 169,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2291, 40.8607, 48.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 169, 179) }
```

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

```
.background{ background-color: rgb(176,  
169, 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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