

Converting Colors

XYZ(40.4098, 40.9761, 47.4604)

Have a look what the booklet for
XYZ(40.4098, 40.9761, 47.4604)
contains.

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Color

**XYZ(40.4839, 41.0152,
47.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A9B1
RGB	178, 169, 177
RGB Percent	70%, 66%, 69%
CMY	0.3020, 0.3372, 0.3059
CMYK	0.00, 0.05, 0.01, 0.30
HSL	307°, 6%, 68%
HSV	307°, 5%, 70%
XYZ	40.4839, 41.0152, 47.3780
YIQ	172.6030, 2.7960, 4.3960

Conversions

Conversions Part 2

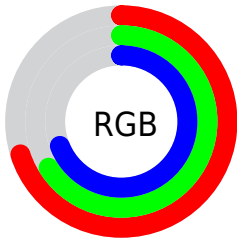
Format	Color
R_{YB}	178, 169, 177
Decimal	11708849
CIE _{Lab}	70.19, 4.71, -2.96
CIE _{LCh}	70, 5.557, 327.854
Yxy	41.0152, 0.3141, 0.3183
Android (android.graphics.Color)	4289898929 (0xFFB2A9B1)
YUV	172.6030, 2.1677, 4.7332
Hunter-Lab	64.0431, 0.7607, 0.9684

Details

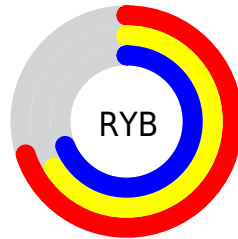
The XYZ color **40.4839, 41.0152, 47.3780** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5398, 43.1792, 44.2828**, and the grayscale version is **39.5077, 41.5652, 45.2645**.

A 20% lighter version of the original color is **75.2953, 76.6869, 87.9244**, and **18.4568, 18.5378, 21.6742** is the 20% darker color. If you saturate the color by 10%, you get **37.2000, 34.7601, 45.3178**, and if you desaturate by 10%, it is **44.2239, 48.1766, 49.6054**.

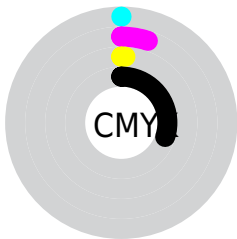
Distribution



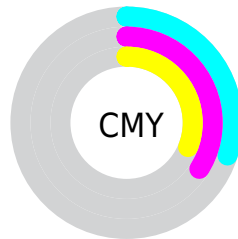
- Red (70%)
- Green (66%)
- Blue (69%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (30%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4839, 41.0152, 47.3780 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 40.4839, 41.0152, 47.3780 by changing the saturation by 10% instead.

■ 40.4839, 41.0152,
47.3780

■ 40.4839, 41.0152,
47.3780

339.2585,
350.3841, 392.7587

■ 28.1019, 28.3310,
32.9781

■ 75.1795, 76.7070,
87.6335

■ 18.5434, 18.5753,
21.8387

■ 98.2238, 100.4833,
114.3261

■ 11.4428, 11.3638,
13.5412

125.5529,
128.7258, 145.9534

■ 6.4350, 6.3121,
7.6672

157.5323,
161.8188, 182.9339

■ 3.1545, 3.0358,
3.7980

194.5271,
200.1467, 225.6861

■ 1.2360, 1.1504,
1.5152

236.9029,

■ 0.1345, 0.0207,

244.0940, 274.6287

0.2292

285.0249,
294.0450, 330.1800

■ 0.0000, 0.0000,
0.0000

■ 40.4839, 41.0152,
47.3780

■ 40.4839, 41.0152,
47.3780

■ 37.2000, 34.7601,
45.3178

■ 44.2239, 48.1766,
49.6054

■ 34.3504, 29.3698,
43.4159

■ 48.4335, 56.2732,
52.0029

■ 31.9171, 24.8075,
41.6668

■ 53.1300, 65.3391,
54.5770

■ 29.8793, 21.0316,
40.0634

■ 58.3289, 75.4051,
57.3328

■ 28.2143, 17.9970,
38.5982

■ 63.0788, 84.5685,
59.9534

■ 26.8974, 15.6539,
37.2628

■ 63.2920, 84.6538,
61.0760

■ 25.9005, 13.9464,
36.0479

■ 63.5081, 84.7402,
62.2142

■ 25.1915, 12.8102,
34.9425

■ 63.7272, 84.8278,
63.3678

■ 24.7307, 12.1661,
33.9336

■ 63.9492, 84.9167,
64.5369

Harmonies

Analogous

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



39.8069, 41.0152, 49.2367



40.4839, 41.0152, 47.3780



40.7583, 41.0152, 44.8465

Triad

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



40.4839, 41.0152, 47.3780



39.0493, 41.0152, 39.8363



37.4572, 41.0152, 47.0408

Complementary

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



40.4839, 41.0152, 47.3780



39.5398, 43.1792, 44.2828

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.



37.2614, 41.0152, 44.4712



40.4839, 41.0152, 47.3780



38.1720, 41.0152, 40.3734

Square

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



40.4839, 41.0152, 47.3780



39.9220, 41.0152, 40.5491



37.5211, 41.0152, 42.0453



38.0602, 41.0152, 49.0368

Rectangle

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



40.4839, 41.0152, 47.3780



40.6728, 41.0152, 43.1399



37.5211, 41.0152, 42.0453



37.3420, 41.0152, 46.2125

Sweetspot

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



40.4851, 41.0170, 47.3789



75.3754, 78.1261, 87.1046



38.7815, 40.1272, 47.8215



16.7152, 17.3390, 19.3075



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.



40.4851, 41.0170, 47.3789



72.7529, 73.1143, 85.5113



40.0536, 40.8444, 45.1068



9.0219, 9.0370, 10.6224



17.5803, 8.5497, 24.0134



0.5647, 0.2736, 0.8162

Inverse Universe

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



40.4851, 41.0170, 47.3789



72.7529, 73.1143, 85.5113



39.9630, 43.3485, 46.5112



9.0219, 9.0370, 10.6224



17.5803, 8.5497, 24.0134



0.5647, 0.2736, 0.8162

Previews

White Background



This preview shows how the XYZ color 40.4839, 41.0152, 47.3780 looks on a white background.

Color Contrast Check

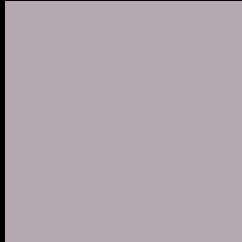
Large Text (above 18pt) WCAG AA × Fail

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 40.4839, 41.0152, 47.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

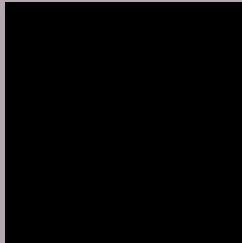
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4839, 41.0152, 47.3780

Background



This preview shows how black text looks on a background with the XYZ color 40.4839, 41.0152, 47.3780.



This preview shows how white text looks on a background with the XYZ color 40.4839, 41.0152,

47.3780.

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

40.4839, 41.0152, 47.3780

Protanopia

39.8324, 41.2244, 47.9772

Deuteranopia

41.6797, 40.8011, 47.7981



Tritanopia

41.0365, 40.9664, 50.0004

Trichromacy



Original Color

40.4839, 41.0152, 47.3780

Protanomaly

40.0898, 41.0778, 47.9353

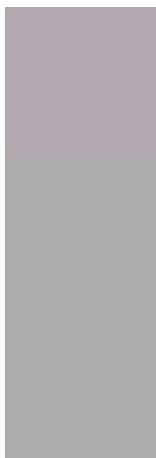
Deuteranomaly

41.1460, 40.7969, 47.8254

Tritanomaly

40.8313, 40.8843, 48.9194

Monochromacy



Original Color

40.4839, 41.0152, 47.3780

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.0717, 41.6750, 45.9765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4839, 41.0152, 47.3780 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(178, 169, 177)` looks like.

```
.text, #text, p{  
    color:rgb(178, 169, 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(178, 169, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 169, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.4839, 41.0152, 47.3780 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(178, 169, 177) }
```


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

```
.border{ border-color:rgb(178, 169, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 169, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 169, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 169, 177);  
box-shadow:4px 4px 4px 4px rgb(178, 169,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4839, 41.0152, 47.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 169, 177) }
```

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

```
.background{ background-color: rgb(178,  
169, 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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