

Converting Colors

XYZ(40.7910, 41.4622, 47.9858)

Have a look what the booklet for
XYZ(40.7910, 41.4622, 47.9858)
contains.

XYZ(40.7707, 41.4288, 47.9672)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7707, 41.4288,
47.9672)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AAB2
RGB	178, 170, 178
RGB Percent	70%, 67%, 70%
CMY	0.3020, 0.3333, 0.3020
CMYK	0.00, 0.04, 0.00, 0.30
HSL	300°, 5%, 68%
HSV	300°, 4%, 70%
XYZ	40.7707, 41.4288, 47.9672
YIQ	173.3040, 2.2000, 4.1840

Conversions

Conversions Part 2

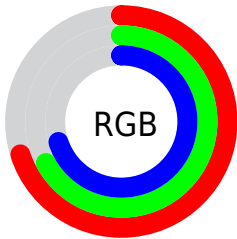
Format	Color
RYB	178, 170, 178
Decimal	11709106
CIELab	70.48, 4.35, -3.08
CIELCh	70, 5.330, 324.640
Yxy	41.4288, 0.3132, 0.3183
Android (android.graphics.Color)	4289899186 (0xFFB2AAB2)
YUV	173.3040, 2.3151, 4.1184
Hunter-Lab	64.3652, 0.4277, 0.8707

Details

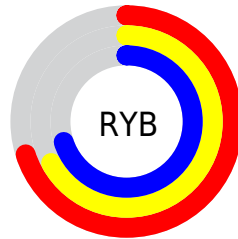
The XYZ color **40.7707, 41.4288, 47.9672** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.7553, 43.2902, 44.2929**, and the grayscale version is **39.8644, 41.9404, 45.6731**.

A 20% lighter version of the original color is **75.7082, 77.2834, 88.7688**, and **18.6376, 18.7975, 22.0480** is the 20% darker color. If you saturate the color by 10%, you get **37.6577, 35.2023, 46.9301**, and if you desaturate by 10%, it is **44.3379, 48.5625, 49.1567**.

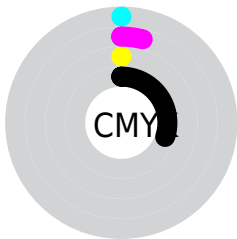
Distribution



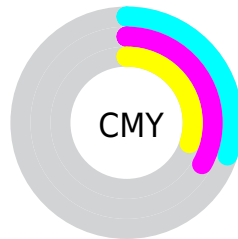
- Red (70%)
- Green (67%)
- Blue (70%)



- Red (70%)
- Yellow (67%)
- Blue (70%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)



- Cyan (30%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7707, 41.4288, 47.9672 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 40.7707, 41.4288, 47.9672 by changing the saturation by 10% instead.

■ 40.7707, 41.4288,
47.9672

■ 40.7707, 41.4288,
47.9672

340.4403,
352.1096, 395.1671

■ 28.3268, 28.6543,
33.4411

■ 75.6126, 77.3344,
88.5206

■ 18.7139, 18.8195,
22.1907

98.7413, 101.2343,
115.3850

■ 11.5665, 11.5399,
13.7974

126.1624,
129.6114, 147.1992

■ 6.5193, 6.4312,
7.8428

158.2412,
162.8502, 184.3819

■ 3.2070, 3.1090,
3.9082

195.3430,
201.3350, 227.3514

■ 1.2641, 1.1889,
1.5751

237.8332,

■ 0.1561, 0.0526,

245.4502, 276.5264

0.2730

286.0772,
295.5803, 332.3255

■ 0.0000, 0.0000,
0.0000

■ 40.7707, 41.4288,
47.9672

■ 40.7707, 41.4288,
47.9672

■ 37.6577, 35.2023,
46.9301

■ 44.3379, 48.5625,
49.1567

■ 34.9773, 29.8416,
46.0366

■ 48.3727, 56.6320,
50.5017

■ 32.7115, 25.3099,
45.2813

■ 52.8924, 65.6714,
52.0082

■ 30.8394, 21.5660,
44.6573

■ 57.9125, 75.7115,
53.6816

■ 29.3388, 18.5648,
44.1571

■ 62.1566, 84.1996,
55.0963

■ 28.1849, 16.2570,
43.7725

■ 62.1566, 84.1997,
55.0963

■ 27.3499, 14.5871,
43.4942

■ 62.1567, 84.1997,
55.0963

■ 26.8019, 13.4911,
43.3115

■ 62.1567, 84.1997,
55.0963

■ 26.5023, 12.8921,
43.2117

■ 62.1568, 84.1997,
55.0963

Harmonies

Analogous

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



40.0854, 41.4288, 49.6511



40.7707, 41.4288, 47.9672



41.0829, 41.4288, 45.5624

Triad

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



40.7707, 41.4288, 47.9672



39.5349, 41.4288, 40.4613



37.8612, 41.4288, 47.1563

Complementary

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



40.7707, 41.4288, 47.9672



39.7553, 43.2902, 44.2929

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.



37.7187, 41.4288, 44.6585



40.7707, 41.4288, 47.9672



38.6767, 41.4288, 40.8526

Square

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



40.7707, 41.4288, 47.9672



40.3626, 41.4288, 41.2771



38.0151, 41.4288, 42.3665



38.4072, 41.4288, 49.1708

Rectangle

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



40.7707, 41.4288, 47.9672



41.0341, 41.4288, 43.8971



38.0151, 41.4288, 42.3665



37.7648, 41.4288, 46.3428

Sweetspot

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



40.7719, 41.4306, 47.9681



76.0891, 79.4364, 87.7036



39.0150, 40.5620, 47.8930



16.8651, 17.6142, 19.4333



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.



40.7719, 41.4306, 47.9681



73.5783, 74.4148, 86.8667



40.3892, 41.2775, 45.9526



9.1197, 9.1861, 10.7988



18.8863, 9.0720, 30.8927



0.5942, 0.2854, 0.9720

Inverse Universe

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



39.9920, 41.1186, 43.8613



71.9834, 73.7769, 78.4678



40.1264, 43.4387, 46.2473



8.9022, 9.0990, 9.6531



13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 40.7707, 41.4288, 47.9672 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 40.7707, 41.4288, 47.9672 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 40.7707, 41.4288, 47.9672

Background



This preview shows how black text looks on a background with the XYZ color 40.7707, 41.4288, 47.9672.



This preview shows how white text looks on a background with the XYZ color 40.7707, 41.4288,

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

40.7707, 41.4288, 47.9672

Protanopia

40.1552, 41.3792, 48.5184

Deuteranopia

42.2051, 41.3312, 48.4011



Tritanopia

41.3256, 41.3785, 50.6085

Trichromacy



Original Color

40.7707, 41.4288, 47.9672

Protanomaly

40.3788, 41.4945, 48.5289

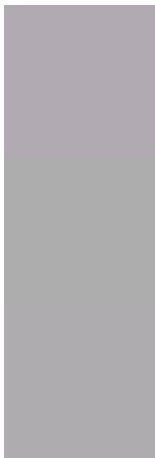
Deuteranomaly

41.6678, 41.3272, 48.4286

Tritanomaly

41.1189, 41.2958, 49.5198

Monochromacy



Original Color

40.7707, 41.4288, 47.9672

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.1696, 41.7142, 46.4919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7707, 41.4288, 47.9672 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, 170, 178)` looks like.

```
.text, #text, p{  
    color:rgb(178, 170, 178)  
}
```

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, 170, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 170, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.7707, 41.4288, 47.9672 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, 170, 178) }
```


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

```
.border{ border-color:rgb(178, 170, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 170, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 170, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 170, 178); box-shadow:4px 4px 4px 4px rgb(178, 170, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7707, 41.4288, 47.9672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 170, 178) }
```

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

```
.background{ background-color: rgb(178,  
170, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor