

Converting Colors

XYZ(40.7287, 39.9519, 48.8056)

Have a look what the booklet for
XYZ(40.7287, 39.9519, 48.8056)
contains.

XYZ(40.7494, 40.0293, 48.7587)	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(40.7494, 40.0293,
48.7587)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A5B4
RGB	181, 165, 180
RGB Percent	71%, 65%, 71%
CMY	0.2902, 0.3529, 0.2941
CMYK	0.00, 0.09, 0.01, 0.29
HSL	304°, 10%, 68%
HSV	304°, 9%, 71%
XYZ	40.7494, 40.0293, 48.7587
YIQ	171.4940, 4.7210, 8.0570

Conversions

Conversions Part 2

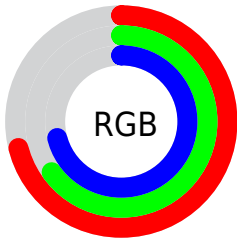
Format	Color
RYB	181, 165, 180
Decimal	11904436
CIELab	69.49, 8.53, -5.62
CIELCh	69, 10.210, 326.633
Yxy	40.0293, 0.3146, 0.3090
Android (android.graphics.Color)	4290094516 (0xFFB5A5B4)
YUV	171.4940, 4.1935, 8.3368
Hunter-Lab	63.2687, 4.2460, -1.4044

Details

The XYZ color **40.7494, 40.0293, 48.7587** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9254, 43.8014, 42.4814**, and the grayscale version is **38.9360, 40.9637, 44.6095**.

A 20% lighter version of the original color is **75.6586, 75.2471, 89.8934**, and **18.6380, 17.9318, 22.5575** is the 20% darker color. If you saturate the color by 10%, you get **37.5986, 33.9109, 47.1424**, and if you desaturate by 10%, it is **44.3655, 47.0756, 50.5357**.

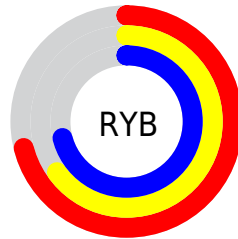
Distribution



Red (71%)

Green (65%)

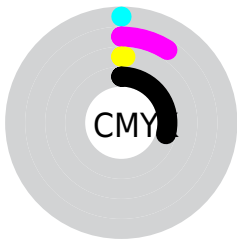
Blue (71%)



Red (71%)

Yellow (65%)

Blue (71%)

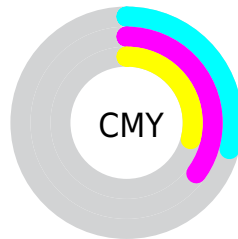


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (29%)



Cyan (29%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7494, 40.0293, 48.7587 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 40.7494, 40.0293, 48.7587 by changing the saturation by 10% instead.

■ 40.7494, 40.0293,
48.7587

■ 40.7494, 40.0293,
48.7587

340.3527,
346.2471, 398.3867

■ 28.3101, 27.5614,
34.0639

■ 75.5804, 75.2081,
89.7102

■ 18.7012, 17.9953,
22.6649

■ 98.7029, 98.6878,
116.8040

■ 11.5573, 10.9466,
14.1433

126.1172,
126.6069, 148.8678

■ 6.5130, 6.0309,
8.0805

158.1886,
159.3498, 186.3203

■ 3.2031, 2.8639,
4.0580

195.2825,
197.3009, 229.5798

■ 1.2620, 1.0611,
1.6572

237.7642,

■ 0.1545, 0.0000,

240.8445, 279.0651

0.3312

285.9992,
290.3651, 335.1945

■ 0.0000, 0.0000,
0.0000

■ 40.7494, 40.0293,
48.7587

■ 40.7494, 40.0293,
48.7587

■ 37.5986, 33.9109,
47.1424

■ 44.3655, 47.0756,
50.5357

■ 34.8904, 28.6767,
45.6778

■ 48.4615, 55.0809,
52.4768

■ 32.6051, 24.2869,
44.3589

■ 53.0559, 64.0814,
54.5887

■ 30.7206, 20.6971,
43.1781

■ 58.1650, 74.1098,
56.8768

■ 29.2124, 17.8584,
42.1273

■ 63.6431, 84.8746,
59.2927

■ 28.0535, 15.7168,
41.1976

■ 63.7636, 84.9228,
59.9274

■ 27.2133, 14.2112,
40.3787

■ 63.8851, 84.9714,
60.5671

■ 26.6558, 13.2697,
39.6586

■ 64.0075, 85.0204,
61.2118

■ 26.3175, 12.7649,
39.0161

■ 64.1309, 85.0697,
61.8616

Harmonies

Analogous

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



39.4820, 40.0293, 52.1928



40.7494, 40.0293, 48.7587



41.2918, 40.0293, 44.1192

Triad

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



40.7494, 40.0293, 48.7587



38.2327, 40.0293, 35.1545



35.2892, 40.0293, 47.7725

Complementary

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



40.7494, 40.0293, 48.7587



38.9254, 43.8014, 42.4814

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.



34.9762, 40.0293, 43.0553



40.7494, 40.0293, 48.7587



36.6466, 40.0293, 35.9800

Square

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



40.7494, 40.0293, 48.7587



39.8127, 40.0293, 36.4501



35.4661, 40.0293, 38.7911



36.3337, 40.0293, 51.5952

Rectangle

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



40.7494, 40.0293, 48.7587



41.1579, 40.0293, 41.0437



35.4661, 40.0293, 38.7911



35.0962, 40.0293, 46.2293

Sweetspot

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



40.7506, 40.0310, 48.7596



76.6264, 78.7900, 89.1318



37.4814, 38.3339, 49.1404



16.4493, 16.8102, 19.2094



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.



40.7506, 40.0310, 48.7596



71.5850, 68.9765, 86.6216



39.9781, 39.7221, 44.6920



8.8266, 8.6374, 10.5855



18.1278, 8.7687, 26.8966



0.5772, 0.2786, 0.8824

Inverse Universe

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



40.7506, 40.0310, 48.7596



71.5850, 68.9765, 86.6216



39.6628, 44.0963, 46.3645



8.8266, 8.6374, 10.5855



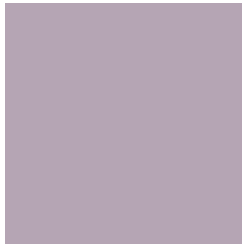
18.1278, 8.7687, 26.8966



0.5772, 0.2786, 0.8824

Previews

White Background



This preview shows how the XYZ color 40.7494, 40.0293, 48.7587 looks on a white background.

Color Contrast Check

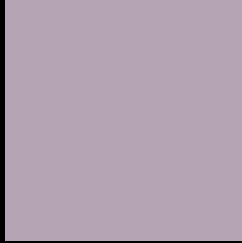
Large Text (above 18pt) WCAG AA × Fail

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 40.7494, 40.0293, 48.7587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

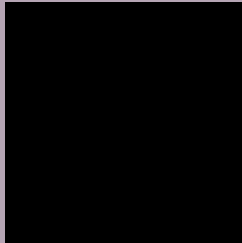
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7494, 40.0293, 48.7587

Background



This preview shows how black text looks on a background with the XYZ color 40.7494, 40.0293, 48.7587.



This preview shows how white text looks on a background with the XYZ color 40.7494, 40.0293,

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

40.7494, 40.0293, 48.7587

Protanopia

38.9937, 40.1883, 49.9579

Deuteranopia

40.9848, 40.1506, 48.7697



Tritanopia

40.5471, 39.9484, 47.6932

Trichromacy



Original Color

40.7494, 40.0293, 48.7587

Protanomaly

39.5767, 40.2257, 49.3945

Deuteranomaly

40.9848, 40.1506, 48.7697

Tritanomaly

40.6479, 39.9887, 48.2240

Monochromacy



Original Color

40.7494, 40.0293, 48.7587

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.5071, 40.5459, 45.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7494, 40.0293, 48.7587 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(181, 165, 180)` looks like.

```
.text, #text, p{  
    color:rgb(181, 165, 180)  
}
```

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(181, 165, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 165, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.7494, 40.0293, 48.7587 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(181, 165, 180) }
```


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

```
.border{ border-color:rgb(181, 165, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 165, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 165, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 165, 180);  
box-shadow:4px 4px 4px 4px rgb(181, 165,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7494, 40.0293, 48.7587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 165, 180) }
```

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

```
.background{ background-color: rgb(181,  
165, 180) }
```

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