

Converting Colors

XYZ(40.5027, 41.8399, 49.2359)

Have a look what the booklet for
XYZ(40.5027, 41.8399, 49.2359)
contains.

XYZ(40.4463, 41.7990, 49.1163)	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(40.4463, 41.7990,
49.1163)**

Conversions

Conversions Part 1

Format	Color
Hex	AEACB4
RGB	174, 172, 180
RGB Percent	68%, 67%, 71%
CMY	0.3176, 0.3255, 0.2941
CMYK	0.03, 0.04, 0.00, 0.29
HSL	255°, 5%, 69%
HSV	255°, 4%, 71%
XYZ	40.4463, 41.7990, 49.1163
YIQ	173.5100, -1.3760, 2.9120

Conversions

Conversions Part 2

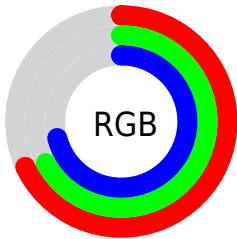
Format	Color
RYB	174, 172, 180
Decimal	11447476
CIELab	70.73, 2.24, -3.85
CIELCh	71, 4.451, 300.178
Yxy	41.7990, 0.3079, 0.3182
Android (android.graphics.Color)	4289637556 (0xFFAEACB4)
YUV	173.5100, 3.1996, 0.4297
Hunter-Lab	64.6521, -1.4719, 0.2138

Details

The XYZ color **40.4463, 41.7990, 49.1163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.1293, 45.0872, 45.5141**, and the grayscale version is **39.9666, 42.0480, 45.7902**.

A 20% lighter version of the original color is **74.9225, 77.6523, 90.3964**, and **18.5733, 19.1028, 22.7870** is the 20% darker color. If you saturate the color by 10%, you get **34.3913, 33.9327, 47.9177**, and if you desaturate by 10%, it is **47.2703, 50.7529, 50.4855**.

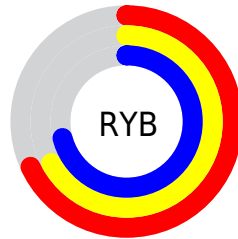
Distribution



Red (68%)

Green (67%)

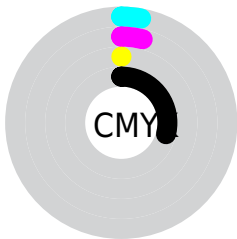
Blue (71%)



Red (68%)

Yellow (67%)

Blue (71%)

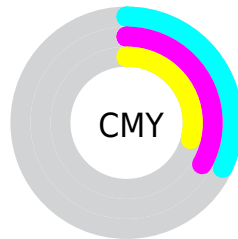


Cyan (3%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (32%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4463, 41.7990, 49.1163 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 40.4463, 41.7990, 49.1163 by changing the saturation by 10% instead.

■ 40.4463, 41.7990,
49.1163

■ 40.4463, 41.7990,
49.1163

339.1033,
353.6490, 399.8356

■ 28.0724, 28.9439,
34.3455

■ 75.1227, 77.8953,
90.2469

■ 18.5210, 19.0384,
22.8796

98.1559, 101.9054,
117.4438

■ 11.4266, 11.6980,
14.3002

125.4730,
130.4026, 149.6199

■ 6.4240, 6.5384,
8.1886

157.4392,
163.7712, 187.1935

■ 3.1476, 3.1751,
4.1264

194.4200,
202.3958, 230.5834

■ 1.2323, 1.2238,
1.6949

236.7808,

■ 0.1317, 0.0811,

246.6607, 280.2080

0.3573

284.8867,
296.9503, 336.4859

■ 0.0000, 0.0000,
0.0000

■ 40.4463, 41.7990,
49.1163

■ 40.4463, 41.7990,
49.1163

■ 34.3913, 33.9327,
47.9177

■ 47.2703, 50.7529,
50.4855

■ 29.0742, 27.1070,
46.8805

■ 54.8856, 60.8283,
52.0289

■ 24.4671, 21.2794,
45.9984

■ 63.3183, 72.0644,
53.7533

■ 20.5391, 16.4022,
45.2641

■ 72.5919, 84.4969,
55.6642

■ 17.2566, 12.4239,
44.6692

■ 80.4537, 93.6087,
57.0086

■ 14.5833, 9.2882,
44.2048

■ 85.2383, 96.0753,
57.2325

■ 12.4789, 6.9320,
43.8610

■ 10.8979, 5.2829,
43.6260

■ 9.7868, 4.2548,
43.4861

Harmonies

Analogous

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



39.7331, 41.7990, 49.6981



40.4463, 41.7990, 49.1163



40.9726, 41.7990, 47.5631

Triad

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



40.4463, 41.7990, 49.1163



40.4386, 41.7990, 42.0765



38.3265, 41.7990, 45.5247

Complementary

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



40.4463, 41.7990, 49.1163



42.1293, 45.0872, 45.5141

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.



38.5103, 41.7990, 43.5208



40.4463, 41.7990, 49.1163



39.7243, 41.7990, 41.5679

Square

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



40.4463, 41.7990, 49.1163



40.9680, 41.7990, 43.4995



39.0196, 41.7990, 42.0885



38.5146, 41.7990, 47.5856

Rectangle

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



40.4463, 41.7990, 49.1163



41.1434, 41.7990, 46.2088



39.0196, 41.7990, 42.0885



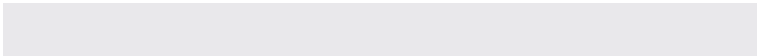
38.3468, 41.7990, 44.8223

Sweetspot

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



40.4475, 41.8008, 49.1172



77.4178, 81.1281, 89.8735



41.1998, 43.9611, 49.4945



16.7470, 17.5534, 19.4277



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.



40.4475, 41.8008, 49.1172



72.5918, 74.8173, 88.9098



41.3216, 42.2514, 49.1581



8.7433, 8.9920, 10.7811



6.5568, 2.7160, 30.3156



0.2606, 0.1135, 0.9564

Inverse Universe

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



41.6123, 42.4246, 48.1172



75.0007, 76.1076, 86.8361



41.2543, 44.6361, 45.4731



9.0639, 9.1637, 10.5046



16.2193, 8.0053, 16.8468



0.5320, 0.2606, 0.6443

Previews

White Background



This preview shows how the XYZ color 40.4463, 41.7990, 49.1163 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 40.4463, 41.7990, 49.1163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

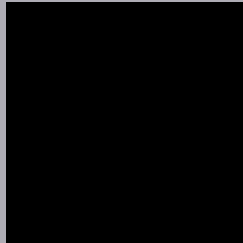
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4463, 41.7990, 49.1163

Background



This preview shows how black text looks on a background with the XYZ color 40.4463, 41.7990, 49.1163.



This preview shows how white text looks on a background with the XYZ color 40.4463, 41.7990,

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

40.4463, 41.7990, 49.1163

Protanopia

40.4463, 41.7990, 49.1163

Deuteranopia

42.5928, 41.7806, 49.5356



Tritanopia

40.9991, 41.7426, 51.7952

Trichromacy



Original Color

40.4463, 41.7990, 49.1163

Protanomaly

40.4463, 41.7990, 49.1163

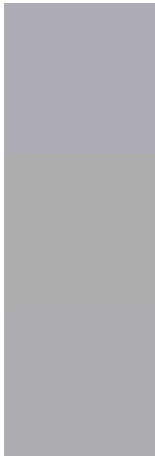
Deuteranomaly

41.8199, 41.6572, 49.5526

Tritanomaly

40.7893, 41.6587, 50.6908

Monochromacy



Original Color

40.4463, 41.7990, 49.1163

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.2356, 42.0204, 47.0644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4463, 41.7990, 49.1163 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(174, 172, 180)` looks like.

```
.text, #text, p{  
    color:rgb(174, 172, 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(174, 172, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 172, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.4463, 41.7990, 49.1163 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(174, 172, 180) }
```


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

```
.border{ border-color:rgb(174, 172, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 172, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 172, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 172, 180);  
box-shadow:4px 4px 4px 4px rgb(174, 172,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4463, 41.7990, 49.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 172, 180) }
```

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

```
.background{ background-color: rgb(174,  
172, 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