

Converting Colors

XYZ(40.8648, 42.7808, 45.3026)

Have a look what the booklet for
XYZ(40.8648, 42.7808, 45.3026)
contains.

XYZ(40.7139, 42.5978, 45.1061)	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(40.7139, 42.5978,
45.1061)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AEAC
RGB	177, 174, 172
RGB Percent	69%, 68%, 67%
CMY	0.3059, 0.3176, 0.3255
CMYK	0.00, 0.02, 0.03, 0.31
HSL	24°, 3%, 68%
HSV	24°, 3%, 69%
XYZ	40.7139, 42.5978, 45.1061
YIQ	174.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

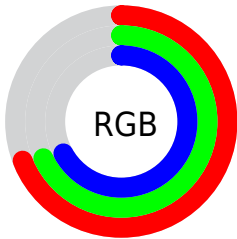
Format	Color
RYB	177, 175, 172
Decimal	11644588
CIELab	71.28, 0.70, 1.39
CIELCh	71, 1.558, 63.357
Yxy	42.5978, 0.3170, 0.3317
Android (android.graphics.Color)	4289834668 (0xFFB1AEAC)
YUV	174.6690, -1.3158, 2.0443
Hunter-Lab	65.2670, -2.8680, 4.7115

Details

The XYZ color **40.7139, 42.5978, 45.1061** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.2790, 42.6043, 47.6960**, and the grayscale version is **40.5832, 42.6967, 46.4967**.

A 20% lighter version of the original color is **75.4887, 78.9083, 83.9252**, and **18.6619, 19.5602, 20.5612** is the 20% darker color. If you saturate the color by 10%, you get **37.1571, 38.0256, 36.0848**, and if you desaturate by 10%, it is **44.6614, 47.5881, 55.3758**.

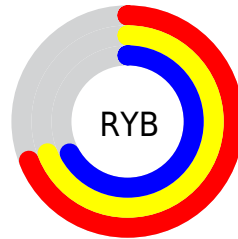
Distribution



Red (69%)

Green (68%)

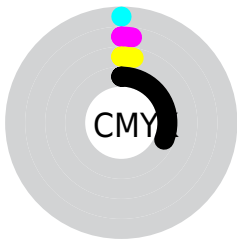
Blue (67%)



Red (69%)

Yellow (69%)

Blue (67%)

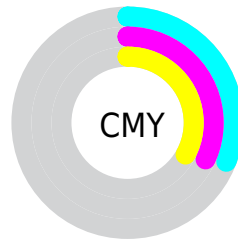


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (31%)



Cyan (31%)

Magenta (32%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7139, 42.5978, 45.1061 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 40.7139, 42.5978, 45.1061 by changing the saturation by 10% instead.

■ 40.7139, 42.5978,
45.1061

■ 40.7139, 42.5978,
45.1061

340.2065,
356.9551, 383.3757

■ 28.2823, 29.5697,
31.1974

■ 75.5268, 79.1036,
84.1997

■ 18.6801, 19.5122,
20.4895

98.6389, 103.3500,
110.2218

■ 11.5420, 12.0410,
12.5638

126.0418,
132.1047, 141.1188

■ 6.5026, 6.7716,
7.0017

158.1009,
165.7519, 177.3091

■ 3.1966, 3.3197,
3.3847

195.1816,
204.6762, 219.2115

■ 1.2585, 1.3008,
1.2943

237.6491,

■ 0.1519, 0.1418,

249.2619, 267.2444

0.0571

285.8690,
299.8934, 321.8263

■ 0.0000, 0.0000,
0.0000

■ 40.7139, 42.5978,
45.1061

■ 40.7139, 42.5978,
45.1061

■ 37.1571, 38.0256,
36.0848

■ 44.6614, 47.5881,
55.3758

■ 33.9749, 33.8549,
28.2611

■ 49.0081, 53.0014,
66.9365

■ 31.1552, 30.0761,
21.5848

■ 53.7665, 58.8497,
79.8322

■ 28.6836, 26.6770,
16.0010

■ 58.9477, 65.1429,
94.1041

■ 26.5452, 23.6450,
11.4502

■ 63.6636, 71.5310,
105.0592

■ 24.7233, 20.9665,
7.8674

■ 66.6559, 77.5157,
106.0566

■ 23.2000, 18.6270,
5.1798

■ 69.8302, 83.8643,
107.1147

■ 21.9549, 16.6105,
3.3043

■ 71.9417, 88.0872,
107.8185

■ 20.9645, 14.8996,
2.1417

Harmonies

Analogous

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



40.9095, 42.5978, 45.5942



40.7139, 42.5978, 45.1061



40.4585, 42.5978, 44.9586

Triad

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



40.7139, 42.5978, 45.1061



39.9879, 42.5978, 46.4662



40.7651, 42.5978, 47.5954

Complementary

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



40.7139, 42.5978, 45.1061



40.2790, 42.6043, 47.6960

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.



40.5174, 42.5978, 47.8347



40.7139, 42.5978, 45.1061



40.0693, 42.5978, 47.1783

Square

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



40.7139, 42.5978, 45.1061



40.0400, 42.5978, 45.7388



40.2628, 42.5978, 47.6813



40.9392, 42.5978, 47.0307

Rectangle

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



40.7139, 42.5978, 45.1061



40.2888, 42.5978, 45.0718



40.2628, 42.5978, 47.6813



40.6877, 42.5978, 47.7168

Sweetspot

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



40.7151, 42.5996, 45.1070



74.1440, 77.8531, 83.9408



40.6224, 41.9480, 46.5137



16.0764, 16.8825, 18.2125



84.5950, 89.0005, 96.9216



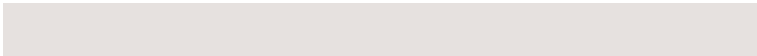
16.2198, 17.0645, 18.5832

Same Dimension

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



40.7151, 42.5996, 45.1070



72.7666, 76.1000, 80.3937



41.2019, 43.5733, 45.2693



9.2278, 9.6372, 10.1105



14.8217, 10.1419, 1.1764



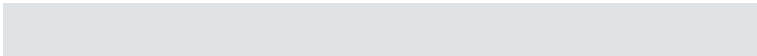
0.5242, 0.4349, 0.0563

Inverse Universe

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



40.2790, 42.6043, 47.6960



71.9242, 76.1089, 85.3950



39.7976, 41.6414, 47.5355



9.0970, 9.6386, 10.8873



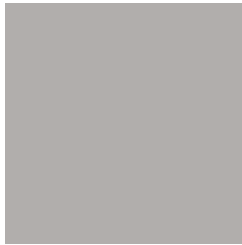
9.5510, 9.9023, 31.5449



0.3558, 0.4221, 1.0110

Previews

White Background



This preview shows how the XYZ color 40.7139, 42.5978, 45.1061 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 40.7139, 42.5978, 45.1061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

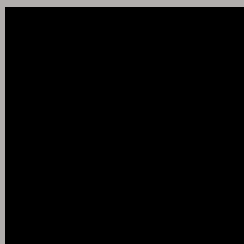
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

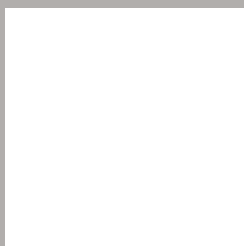
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7139, 42.5978, 45.1061

Background



This preview shows how black text looks on a background with the XYZ color 40.7139, 42.5978, 45.1061.

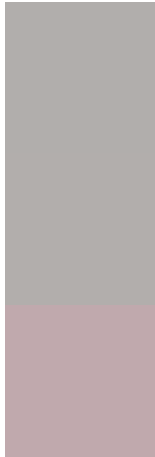


This preview shows how white text looks on a background with the XYZ color 40.7139, 42.5978,

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

40.7139, 42.5978, 45.1061

Protanopia

40.9425, 42.7156, 45.1168

Deuteranopia

43.4690, 42.5995, 45.4666



Tritanopia

42.0999, 42.5915, 51.9010

Trichromacy



Original Color

40.7139, 42.5978, 45.1061

Protanomaly

40.9425, 42.7156, 45.1168

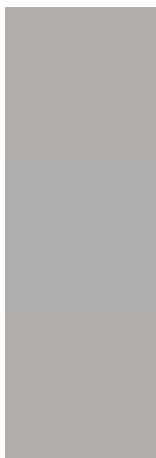
Deuteranomaly

42.5993, 42.7077, 45.5334

Tritanomaly

41.5419, 42.6474, 49.2223

Monochromacy



Original Color

40.7139, 42.5978, 45.1061

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.8744, 42.9460, 46.1795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7139, 42.5978, 45.1061 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(177, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(177, 174, 172)  
}
```

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(177, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 174, 172) }
```

Border

The CSS property to change the border of an element to XYZ 40.7139, 42.5978, 45.1061 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(177, 174, 172) }
```


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

```
.border{ border-color:rgb(177, 174, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 174, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(177, 174,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7139, 42.5978, 45.1061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 174, 172) }
```

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

```
.background{ background-color: rgb(177,  
174, 172) }
```

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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