

Converting Colors

XYZ(37.6522, 35.3238, 45.9968)

Have a look what the booklet for
XYZ(37.6522, 35.3238, 45.9968)
contains.

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Color

**XYZ(37.5878, 35.3820,
45.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	B299B0
RGB	178, 153, 176
RGB Percent	70%, 60%, 69%
CMY	0.3020, 0.4000, 0.3098
CMYK	0.00, 0.14, 0.01, 0.30
HSL	305°, 14%, 65%
HSV	305°, 14%, 70%
XYZ	37.5878, 35.3820, 45.9226
YIQ	163.0970, 7.5170, 12.4530

Conversions

Conversions Part 2

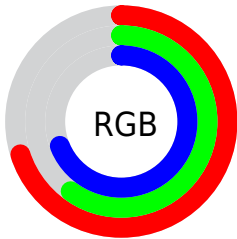
Format	Color
RYB	178, 153, 176
Decimal	11704752
CIELab	66.04, 13.36, -8.53
CIELCh	66, 15.854, 327.451
Yxy	35.3820, 0.3161, 0.2976
Android (android.graphics.Color)	4289894832 (0xFFB299B0)
YUV	163.0970, 6.3612, 13.0699
Hunter-Lab	59.4828, 8.7012, -4.1358

Details

The XYZ color **37.5878, 35.3820, 45.9226** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9750, 40.9807, 37.0789**, and the grayscale version is **34.8278, 36.6416, 39.9027**.

A 20% lighter version of the original color is **70.8100, 67.9443, 85.7264**, and **16.8469, 15.3180, 21.1375** is the 20% darker color. If you saturate the color by 10%, you get **34.7492, 29.9286, 44.2851**, and if you desaturate by 10%, it is **40.8646, 41.7083, 47.7143**.

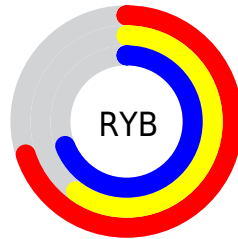
Distribution



Red (70%)

Green (60%)

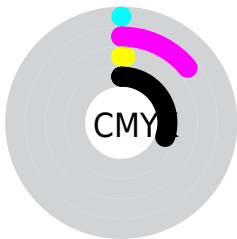
Blue (69%)



Red (70%)

Yellow (60%)

Blue (69%)

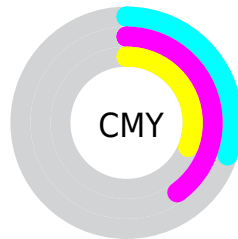


Cyan (0%)

Magenta (14%)

Yellow (1%)

Black (30%)



Cyan (30%)

Magenta (40%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5878, 35.3820, 45.9226 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 37.5878, 35.3820, 45.9226 by changing the saturation by 10% instead.

■ 37.5878, 35.3820,
45.9226

■ 37.5878, 35.3820,
45.9226

327.1599,
326.2513, 386.7659

■ 25.8387, 23.9573,
31.8365

■ 70.7839, 68.0771,
85.4362

■ 16.8350, 15.3019,
20.9729

■ 92.9616, 90.1163,
111.7008

■ 10.2115, 9.0316,
12.9131

119.3461,
116.4625, 142.8620

■ 5.6028, 4.7618,
7.2387

150.3030,
147.5000, 179.3384

■ 2.6434, 2.1082,
3.5311

186.1974,
183.6132, 221.5484

■ 0.9681, 0.6692,
1.3718

227.3948,

■ 0.0000, 0.0000,

225.1866, 269.9106

0.1196

274.2605,
272.6044, 324.8436

■ 0.0000, 0.0000,
0.0000

■ 37.5878, 35.3820,
45.9226

■ 37.5878, 35.3820,
45.9226

■ 34.7492, 29.9286,
44.2851

■ 40.8646, 41.7083,
47.7143

■ 32.3264, 25.3050,
42.7930

■ 44.5945, 48.9389,
49.6639

■ 30.2999, 21.4717,
41.4403

■ 48.7953, 57.1092,
51.7779

■ 28.6473, 18.3839,
40.2195

■ 53.4834, 66.2514,
54.0616

■ 27.3441, 15.9923,
39.1223

■ 58.6739, 76.3962,
56.5202

■ 26.3625, 14.2419,
38.1396

■ 62.8296, 84.4688,
58.6413

■ 25.6710, 13.0692,
37.2607

■ 62.9803, 84.5291,
59.4348

■ 25.2313, 12.3977,
36.4728

■ 63.1325, 84.5900,
60.2362

■ 25.0394, 12.1367,
36.0303

■ 63.2862, 84.6514,
61.0456

Harmonies

Analogous

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



35.7579, 35.3820, 51.2006



37.5878, 35.3820, 45.9226



38.3532, 35.3820, 39.1039

Triad

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



37.5878, 35.3820, 45.9226



33.8311, 35.3820, 26.9796



29.7735, 35.3820, 44.8099

Complementary

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



37.5878, 35.3820, 45.9226



34.9750, 40.9807, 37.0789

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.



29.3106, 35.3820, 37.9518



37.5878, 35.3820, 45.9226



31.5874, 35.3820, 28.1358

Square

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



37.5878, 35.3820, 45.9226



36.1221, 35.3820, 28.6056



29.9594, 35.3820, 31.9678



31.2544, 35.3820, 50.5073

Rectangle

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



37.5878, 35.3820, 45.9226



38.1313, 35.3820, 34.7696



29.9594, 35.3820, 31.9678



29.4968, 35.3820, 42.5414

Sweetspot

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



37.5888, 35.3835, 45.9234



74.0879, 75.6025, 86.5169



32.8823, 32.9342, 46.7440



16.3095, 16.5471, 19.1118



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.



37.5888, 35.3835, 45.9234



66.4049, 60.7793, 82.2824



36.4383, 34.9233, 39.8648



8.8201, 8.6348, 10.5511



17.9265, 8.6882, 25.8368



0.5726, 0.2768, 0.8582

Inverse Universe

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



37.5888, 35.3835, 45.9234



66.4049, 60.7793, 82.2824



36.0490, 41.4103, 42.7342



8.8201, 8.6348, 10.5511



17.9265, 8.6882, 25.8368



0.5726, 0.2768, 0.8582

Previews

White Background



This preview shows how the XYZ color 37.5878, 35.3820, 45.9226 looks on a white background.

Color Contrast Check

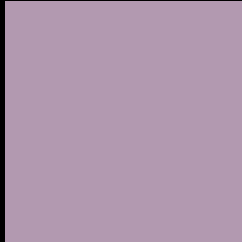
Large Text (above 18pt) WCAG AA × Fail

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 37.5878, 35.3820, 45.9226 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 37.5878, 35.3820, 45.9226

Background



This preview shows how black text looks on a background with the XYZ color 37.5878, 35.3820, 45.9226.



This preview shows how white text looks on a background with the XYZ color 37.5878, 35.3820,

45.9226.

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

37.5878, 35.3820, 45.9226

Protanopia

34.7369, 35.3607, 48.1745

Deuteranopia

35.9885, 35.3071, 45.4756



Tritanopia

36.8279, 35.5798, 41.4858

Trichromacy



Original Color

37.5878, 35.3820, 45.9226

Protanomaly

35.7107, 35.3679, 47.5924

Deuteranomaly

36.4725, 35.3085, 45.4504

Tritanomaly

36.9428, 35.3606, 42.9084

Monochromacy



Original Color

37.5878, 35.3820, 45.9226

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.6145, 35.9483, 42.1074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5878, 35.3820, 45.9226 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, 153, 176)` looks like.

```
.text, #text, p{  
    color:rgb(178, 153, 176)  
}
```

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, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 153, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.5878, 35.3820, 45.9226 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, 153, 176) }
```


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

```
.border{ border-color:rgb(178, 153, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 153, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(178, 153,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5878, 35.3820, 45.9226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 153, 176) }
```

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

```
.background{ background-color: rgb(178,  
153, 176) }
```

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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