

Converting Colors

XYZ(40.2728, 42.4327, 47.9473)

Have a look what the booklet for
XYZ(40.2728, 42.4327, 47.9473)
contains.

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Color

**XYZ(40.1852, 42.2571,
48.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAEB2
RGB	172, 174, 178
RGB Percent	67%, 68%, 70%
CMY	0.3255, 0.3176, 0.3020
CMYK	0.03, 0.02, 0.00, 0.30
HSL	220°, 4%, 69%
HSV	220°, 3%, 70%
XYZ	40.1852, 42.2571, 48.1579
YIQ	173.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

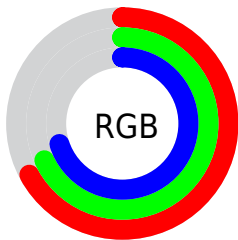
Format	Color
RYB	172, 174, 178
Decimal	11316914
CIELab	71.05, 0.07, -2.30
CIELCh	71, 2.300, 271.636
Yxy	42.2571, 0.3077, 0.3236
Android (android.graphics.Color)	4289506994 (0xFFACAEB2)
YUV	173.8580, 2.0420, -1.6295
Hunter-Lab	65.0055, -3.4141, 1.5801

Details

The XYZ color **40.1852, 42.2571, 48.1579** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.3319, 43.4938, 45.2472**, and the grayscale version is **40.1510, 42.2420, 46.0015**.

A 20% lighter version of the original color is **74.5491, 78.3100, 89.0281**, and **18.4069, 19.3928, 22.1751** is the 20% darker color. If you saturate the color by 10%, you get **34.3468, 35.9962, 47.2578**, and if you desaturate by 10%, it is **46.7516, 49.1960, 49.1518**.

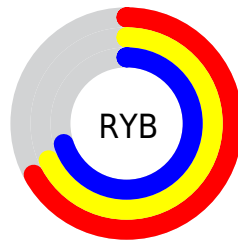
Distribution



Red (67%)

Green (68%)

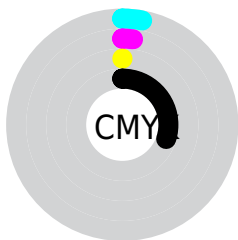
Blue (70%)



Red (67%)

Yellow (68%)

Blue (70%)

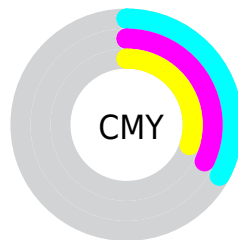


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (30%)



Cyan (33%)

Magenta (32%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1852, 42.2571, 48.1579 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 40.1852, 42.2571, 48.1579 by changing the saturation by 10% instead.

■ 40.1852, 42.2571,
48.1579

■ 40.1852, 42.2571,
48.1579

338.0246,
355.5476, 395.9444

■ 27.8678, 29.3027,
33.5911

■ 74.7280, 78.5886,
88.8075

■ 18.3660, 19.3099,
22.3048

97.6841, 102.7344,
115.7272

■ 11.3143, 11.8944,
13.8806

124.9172,
131.3795, 147.6018

■ 6.3475, 6.6718,
7.8999

156.7926,
164.9083, 184.8496

■ 3.1002, 3.2577,
3.9441

193.6757,
203.7050, 227.8892

■ 1.2070, 1.2677,
1.5947

235.9318,

■ 0.1119, 0.1160,

248.1543, 277.1392

0.2870

283.9263,
298.6403, 333.0181

■ 0.0000, 0.0000,
0.0000

■ 40.1852, 42.2571,
48.1579

■ 40.1852, 42.2571,
48.1579

■ 34.3468, 35.9962,
47.2578

■ 46.7516, 49.1960,
49.1518

■ 29.2068, 30.3867,
46.4459

■ 54.0670, 56.8274,
50.2393

■ 24.7392, 25.4083,
45.7205

■ 62.1557, 65.1725,
51.4237

■ 20.9145, 21.0375,
45.0784

■ 71.0402, 74.2497,
52.7075

■ 17.7012, 17.2492,
44.5166

■ 78.4990, 82.9204,
53.9880

■ 15.0649, 14.0163,
44.0315

■ 81.9754, 89.8733,
55.1468

■ 12.9674, 11.3095,
43.6196

■ 85.0360, 95.9944,
56.1670

■ 11.3656, 9.0960,
43.2768

■ 10.2085, 7.3385,
42.9985

Harmonies

Analogous

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



39.8142, 42.2571, 47.8975



40.1852, 42.2571, 48.1579



40.5528, 42.2571, 47.8354

Triad

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



40.1852, 42.2571, 48.1579



40.7963, 42.2571, 44.9101



39.5176, 42.2571, 45.0131

Complementary

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



40.1852, 42.2571, 48.1579



41.3319, 43.4938, 45.2472

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.



39.7779, 42.2571, 44.2331



40.1852, 42.2571, 48.1579



40.5160, 42.2571, 44.1743

Square

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



40.1852, 42.2571, 48.1579



40.9070, 42.2571, 45.9504



40.1430, 42.2571, 43.9285



39.4303, 42.2571, 46.0712

Rectangle

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



40.1852, 42.2571, 48.1579



40.7461, 42.2571, 47.3363



40.1430, 42.2571, 43.9285



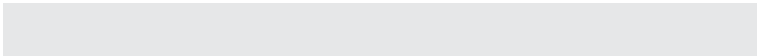
39.5877, 42.2571, 44.7103

Sweetspot

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



40.1864, 42.2589, 48.1588



75.5563, 79.4819, 87.7405



40.7609, 43.7428, 47.3180



16.7532, 17.6238, 19.4410



86.6293, 91.1408, 99.2523



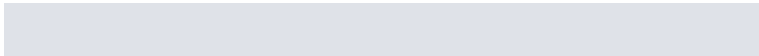
17.0014, 17.8868, 19.4787

Same Dimension

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



40.1864, 42.2589, 48.1588



72.0926, 75.8002, 87.2124



40.0006, 41.5930, 48.0401



8.8907, 9.3467, 10.8418



6.9367, 4.6737, 30.6735



0.2733, 0.2571, 0.9835

Inverse Universe

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



40.7535, 42.0269, 46.0105



73.3298, 75.2993, 82.5247



41.5217, 44.1789, 45.3694



9.0666, 9.2762, 10.1754



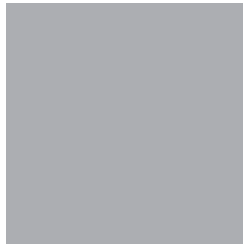
13.7360, 7.0119, 3.7696



0.4600, 0.2317, 0.2649

Previews

White Background



This preview shows how the XYZ color 40.1852, 42.2571, 48.1579 looks on a white background.

Color Contrast Check

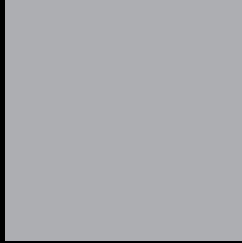
Large Text (above 18pt) WCAG AA × Fail

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 40.1852, 42.2571, 48.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

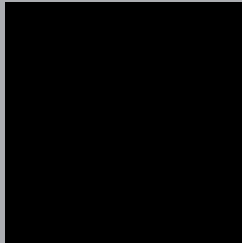
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1852, 42.2571, 48.1579

Background



This preview shows how black text looks on a background with the XYZ color 40.1852, 42.2571, 48.1579.



This preview shows how white text looks on a background with the XYZ color 40.1852, 42.2571,

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

40.1852, 42.2571, 48.1579

Protanopia

40.7839, 42.2916, 47.6085

Deuteranopia

42.8784, 41.9513, 48.4853



Tritanopia

41.0401, 42.3165, 52.4592

Trichromacy



Original Color

40.1852, 42.2571, 48.1579

Protanomaly

40.5586, 42.1754, 47.5980

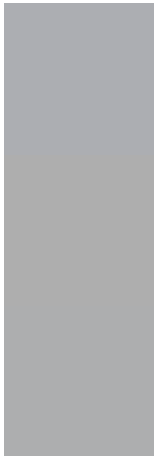
Deuteranomaly

41.8028, 41.9492, 48.5416

Tritanomaly

40.7244, 42.1903, 50.7969

Monochromacy



Original Color

40.1852, 42.2571, 48.1579

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.1075, 42.2515, 46.5989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1852, 42.2571, 48.1579 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(172, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(172, 174, 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(172, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 174, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.1852, 42.2571, 48.1579 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(172, 174, 178) }
```


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

```
.border{ border-color:rgb(172, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(172, 174,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1852, 42.2571, 48.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 174, 178) }
```

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

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

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