

Converting Colors

XYZ(40.4097, 43.6590, 46.6236)

Have a look what the booklet for
XYZ(40.4097, 43.6590, 46.6236)
contains.

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Color

**XYZ(40.4528, 43.5939,
46.8398)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB2AF
RGB	171, 178, 175
RGB Percent	67%, 70%, 69%
CMY	0.3294, 0.3019, 0.3137
CMYK	0.04, 0.00, 0.02, 0.30
HSL	154°, 4%, 68%
HSV	154°, 4%, 70%
XYZ	40.4528, 43.5939, 46.8398
YIQ	175.5650, -3.2090, -2.4170

Conversions

Conversions Part 2

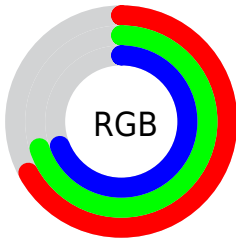
Format	Color
RYB	171, 175, 178
Decimal	11252399
CIELab	71.96, -3.02, 0.67
CIELCh	72, 3.092, 167.482
Yxy	43.5939, 0.3091, 0.3331
Android (android.graphics.Color)	4289442479 (0xFFABB2AF)
YUV	175.5650, -0.2785, -4.0035
Hunter-Lab	66.0257, -6.1810, 4.1566

Details

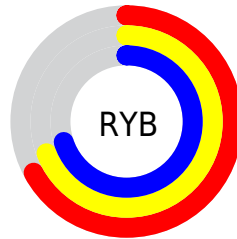
The XYZ color **40.4528, 43.5939, 46.8398** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.5646, 41.6478, 45.9473**, and the grayscale version is **41.0441, 43.1816, 47.0248**.

A 20% lighter version of the original color is **75.0698, 80.7276, 86.4883**, and **18.5165, 20.0192, 21.6271** is the 20% darker color. If you saturate the color by 10%, you get **36.1052, 41.4380, 42.8334**, and if you desaturate by 10%, it is **45.3675, 46.0396, 51.0958**.

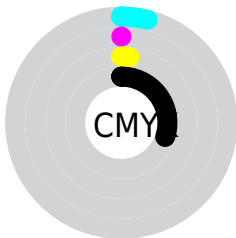
Distribution



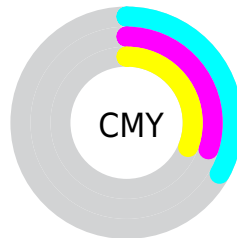
- Red (67%)
- Green (70%)
- Blue (69%)



- Red (67%)
- Yellow (69%)
- Blue (70%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4528, 43.5939, 46.8398 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 40.4528, 43.5939, 46.8398 by changing the saturation by 10% instead.

■ 40.4528, 43.5939,
46.8398

■ 40.4528, 43.5939,
46.8398

339.1302,
361.0485, 390.5499

■ 28.0775, 30.3514,
32.5556

■ 75.1325, 80.6063,
86.8219

■ 18.5249, 20.1054,
21.5179

98.1676, 105.1450,
113.3569

■ 11.4294, 12.4717,
13.3082

125.4868,
134.2178, 144.8126

■ 6.4259, 7.0658,
7.5079

157.4553,
168.2093, 181.6075

■ 3.1488, 3.5033,
3.6985

194.4386,
207.5036, 224.1601

■ 1.2329, 1.3998,
1.4614

236.8019,

■ 0.1321, 0.2166,

252.4854, 272.8890

0.1889

284.9106,
303.5389, 328.2128

0.0000, 0.0000,
0.0000

40.4528, 43.5939,
46.8398

40.4528, 43.5939,
46.8398

36.1052, 41.4380,
42.8334

45.3675, 46.0396,
51.0958

32.2995, 39.5555,
39.0691

50.8657, 48.7800,
55.6030

29.0141, 37.9365,
35.5431

56.9681, 51.8268,
60.3666

26.2246, 36.5684,
32.2504

63.6927, 55.1892,
65.3910

23.9045, 35.4378,
29.1858

69.1926, 57.9151,
70.5930

■ 22.0246, 34.5296,
26.3441

■ 70.1856, 58.3123,
75.8223

■ 20.5523, 33.8272,
23.7194

■ 71.2249, 58.7280,
81.2950

■ 19.4504, 33.3114,
21.3057

■ 72.3110, 59.1624,
87.0143

■ 18.6740, 32.9593,
19.0966

■ 73.4445, 59.6158,
92.9833

Harmonies

Analogous

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



40.6919, 43.5939, 45.5310



40.4528, 43.5939, 46.8398



40.4752, 43.5939, 48.3440

Triad

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



40.4528, 43.5939, 46.8398



41.7400, 43.5939, 50.2900



42.1237, 43.5939, 45.3582

Complementary

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



40.4528, 43.5939, 46.8398



40.5646, 41.6478, 45.9473

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.



42.4093, 43.5939, 46.5994



40.4528, 43.5939, 46.8398



42.1865, 43.5939, 49.4558

Square

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



40.4528, 43.5939, 46.8398



41.2153, 43.5939, 50.3577



42.4323, 43.5939, 48.0985



41.6548, 43.5939, 44.6878

Rectangle

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



40.4528, 43.5939, 46.8398



40.6354, 43.5939, 49.2553



42.4323, 43.5939, 48.0985



42.2444, 43.5939, 45.7213

Sweetspot

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



40.4540, 43.5958, 46.8408



75.8486, 80.2923, 87.1423



40.7356, 43.7856, 44.8330



16.8146, 17.7939, 19.3155



86.6293, 91.1408, 99.2523



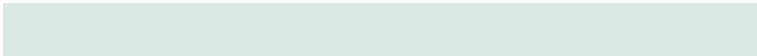
17.0014, 17.8868, 19.4787

Same Dimension

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



40.4540, 43.5958, 46.8408



72.3970, 78.5771, 84.0784



40.6596, 43.5296, 48.3809



8.9584, 9.7538, 10.4174



13.1276, 23.4770, 12.9409



0.4416, 0.7501, 0.5574

Inverse Universe

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



40.5646, 41.6478, 45.9473



72.6541, 74.0451, 81.9997



40.3633, 41.7087, 44.4517



8.9935, 9.1356, 10.1339



14.1087, 7.1610, 5.7323



0.4734, 0.2371, 0.3354

Previews

White Background



This preview shows how the XYZ color 40.4528, 43.5939, 46.8398 looks on a white background.

Color Contrast Check

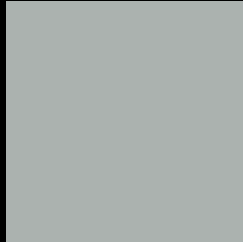
Large Text (above 18pt) WCAG AA × Fail

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 40.4528, 43.5939, 46.8398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

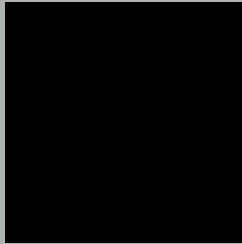
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4528, 43.5939, 46.8398

Background



This preview shows how black text looks on a background with the XYZ color 40.4528, 43.5939, 46.8398.



This preview shows how white text looks on a background with the XYZ color 40.4528, 43.5939,

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

40.4528, 43.5939, 46.8398

Protanopia

41.7923, 43.4192, 46.2225

Deuteranopia

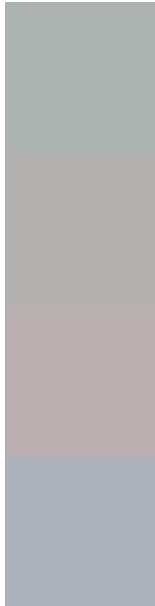
44.3917, 43.5979, 47.1498



Tritanopia

42.0532, 43.6526, 54.9246

Trichromacy



Original Color

40.4528, 43.5939, 46.8398

Protanomaly

41.2968, 43.4538, 46.2552

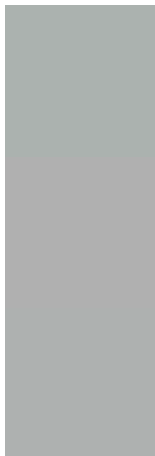
Deuteranomaly

42.9801, 43.7210, 47.2480

Tritanomaly

41.4924, 43.7177, 52.1504

Monochromacy



Original Color

40.4528, 43.5939, 46.8398

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.0142, 43.5775, 47.3239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4528, 43.5939, 46.8398 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(171, 178, 175)` looks like.

```
.text, #text, p{  
    color:rgb(171, 178, 175)  
}
```

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(171, 178, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 178, 175) }
```

Border

The CSS property to change the border of an element to XYZ 40.4528, 43.5939, 46.8398 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(171, 178, 175) }
```


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

```
.border{ border-color:rgb(171, 178, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 178, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 178, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 178, 175);  
box-shadow:4px 4px 4px 4px rgb(171, 178,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4528, 43.5939, 46.8398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 178, 175) }
```

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

```
.background{ background-color: rgb(171,  
178, 175) }
```

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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