

Converting Colors

XYZ(40.9787, 44.5358, 48.0524)

Have a look what the booklet for
XYZ(40.9787, 44.5358, 48.0524)
contains.

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Color

**XYZ(40.8346, 44.3629,
48.0057)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB4B1
RGB	170, 180, 177
RGB Percent	67%, 71%, 69%
CMY	0.3333, 0.2941, 0.3059
CMYK	0.06, 0.00, 0.02, 0.29
HSL	162°, 6%, 69%
HSV	162°, 6%, 71%
XYZ	40.8346, 44.3629, 48.0057
YIQ	176.6680, -4.9970, -3.0530

Conversions

Conversions Part 2

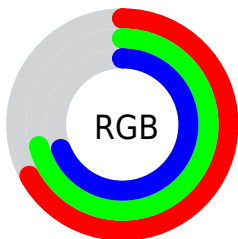
Format	Color
RYB	170, 176, 180
Decimal	11187377
CIELab	72.47, -4.06, 0.31
CIElCh	72, 4.068, 175.569
Yxy	44.3629, 0.3066, 0.3330
Android (android.graphics.Color)	4289377457 (0xFFAAB4B1)
YUV	176.6680, 0.1637, -5.8478
Hunter-Lab	66.6055, -7.1245, 3.8907

Details

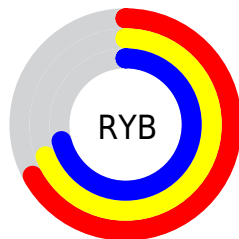
The XYZ color **40.8346, 44.3629, 48.0057** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.7415, 41.4709, 45.3945**, and the grayscale version is **41.6179, 43.7853, 47.6822**.

A 20% lighter version of the original color is **75.7548, 81.8816, 88.9028**, and **18.6987, 20.4855, 22.0374** is the 20% darker color. If you saturate the color by 10%, you get **36.6789, 42.2828, 45.0557**, and if you desaturate by 10%, it is **45.5469, 46.7300, 51.0949**.

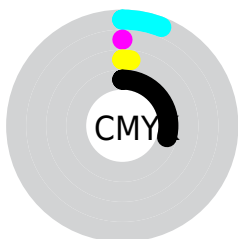
Distribution



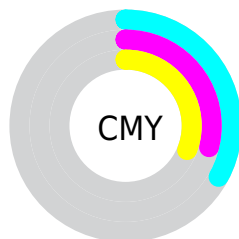
- Red (67%)
- Green (71%)
- Blue (69%)



- Red (67%)
- Yellow (69%)
- Blue (71%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8346, 44.3629, 48.0057 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 40.8346, 44.3629, 48.0057 by changing the saturation by 10% instead.

■ 40.8346, 44.3629,
48.0057

■ 40.8346, 44.3629,
48.0057

340.7033,
364.1871, 395.3241

■ 28.3770, 30.9559,
33.4714

■ 75.7090, 81.7635,
88.5785

■ 18.7519, 20.5653,
22.2137

98.8566, 106.5260,
115.4541

■ 11.5941, 12.8066,
13.8142

126.2981,
135.8424, 147.2805

■ 6.5382, 7.2955,
7.8543

158.3990,
170.0971, 184.4763

■ 3.2187, 3.6476,
3.9154

195.5246,
209.6745, 227.4600

■ 1.2705, 1.4784,
1.5791

238.0403,

■ 0.1609, 0.2735,

254.9591, 276.6502

0.2758

286.3114,
306.3351, 332.4654

■ 0.0000, 0.0000,
0.0000

■ 40.8346, 44.3629,
48.0057

■ 40.8346, 44.3629,
48.0057

■ 36.6789, 42.2828,
45.0557

■ 45.5469, 46.7300,
51.0949

■ 33.0544, 40.4729,
42.2398

■ 50.8327, 49.3889,
54.3227

■ 29.9391, 38.9231,
39.5564

■ 56.7126, 52.3516,
57.6920

■ 27.3080, 37.6205,
37.0032

■ 63.2052, 55.6277,
61.2051

■ 25.1340, 36.5511,
34.5775

■ 68.4635, 58.2648,
64.7767

■ 23.3871, 35.6997,
32.2766

■ 69.1232, 58.5287,
68.2505

■ 22.0338, 35.0489,
30.0975

■ 69.8056, 58.8016,
71.8438

■ 21.0353, 34.5787,
28.0369

■ 70.5109, 59.0838,
75.5580

■ 20.3429, 34.2641,
26.0911

■ 71.2394, 59.3751,
79.3941

Harmonies

Analogous

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



41.0625, 44.3629, 46.1515



40.8346, 44.3629, 48.0057



40.9601, 44.3629, 49.9907

Triad

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



40.8346, 44.3629, 48.0057



42.7506, 44.3629, 51.8740



42.9331, 44.3629, 45.1860

Complementary

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



40.8346, 44.3629, 48.0057



40.7415, 41.4709, 45.3945

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.



43.3945, 44.3629, 46.6550



40.8346, 44.3629, 48.0057



43.2883, 44.3629, 50.5217

Square

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



40.8346, 44.3629, 48.0057



42.0614, 44.3629, 52.2597



43.5252, 44.3629, 48.6028



42.2699, 44.3629, 44.5525

Rectangle

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



40.8346, 44.3629, 48.0057



41.2281, 44.3629, 51.1160



43.5252, 44.3629, 48.6028



43.1173, 44.3629, 45.5964

Sweetspot

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



40.8359, 44.3648, 48.0067



76.9329, 81.8898, 88.9858



40.8488, 44.4500, 44.4575



16.6476, 17.7092, 19.2461



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.



40.8359, 44.3648, 48.0067



72.7973, 79.8154, 86.1894



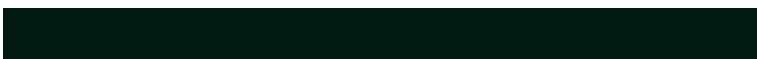
40.7708, 43.7502, 49.4781



8.8071, 9.6751, 10.4430



14.0488, 23.8455, 17.7916



0.4663, 0.7600, 0.6878

Inverse Universe

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



40.7415, 41.4709, 45.3945



72.5804, 73.1629, 80.1847



40.8003, 42.0484, 43.9965



8.7796, 8.8315, 9.6815



13.6286, 6.9690, 3.2043



0.4553, 0.2299, 0.2402

Previews

White Background



This preview shows how the XYZ color 40.8346, 44.3629, 48.0057 looks on a white background.

Color Contrast Check

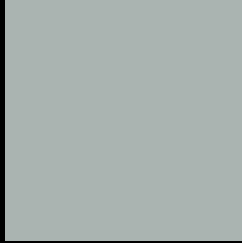
Large Text (above 18pt) WCAG AA × Fail

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 40.8346, 44.3629, 48.0057 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

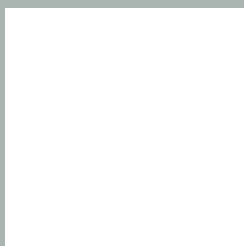
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8346, 44.3629, 48.0057

Background



This preview shows how black text looks on a background with the XYZ color 40.8346, 44.3629, 48.0057.

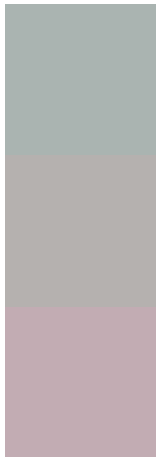


This preview shows how white text looks on a background with the XYZ color 40.8346, 44.3629,

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

40.8346, 44.3629, 48.0057

Protanopia

42.5161, 44.3632, 46.8796

Deuteranopia

45.1373, 44.2291, 48.8059



Tritanopia

42.4481, 44.4172, 56.2053

Trichromacy



Original Color

40.8346, 44.3629, 48.0057

Protanomaly

41.8883, 44.3225, 47.4216

Deuteranomaly

43.3734, 44.1886, 48.3627

Tritanomaly

41.8843, 44.4860, 53.3928

Monochromacy



Original Color

40.8346, 44.3629, 48.0057

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.3118, 44.0138, 47.9131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8346, 44.3629, 48.0057 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(170, 180, 177)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 177)  
}
```

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(170, 180, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.8346, 44.3629, 48.0057 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(170, 180, 177) }
```


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

```
.border{ border-color:rgb(170, 180, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 177);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8346, 44.3629, 48.0057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 177) }
```

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

```
.background{ background-color: rgb(170,  
180, 177) }
```

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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