

Converting Colors

XYZ(41.8898, 44.1056, 50.0512)

Have a look what the booklet for
XYZ(41.8898, 44.1056, 50.0512)
contains.

XYZ(41.7418, 43.8944, 49.9885)	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(41.7418, 43.8944,
49.9885)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB1B5
RGB	175, 177, 181
RGB Percent	69%, 69%, 71%
CMY	0.3137, 0.3059, 0.2902
CMYK	0.03, 0.02, 0.00, 0.29
HSL	220°, 4%, 70%
HSV	220°, 3%, 71%
XYZ	41.7418, 43.8944, 49.9885
YIQ	176.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

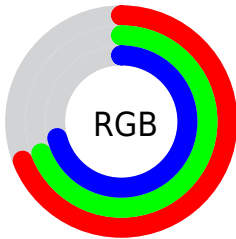
Format	Color
RYB	175, 177, 181
Decimal	11514293
CIELab	72.16, 0.07, -2.29
CIELCh	72, 2.293, 271.630
Yxy	43.8944, 0.3078, 0.3236
Android (android.graphics.Color)	4289704373 (0xFFAFB1B5)
YUV	176.8580, 2.0420, -1.6295
Hunter-Lab	66.2528, -3.4807, 1.6420

Details

The XYZ color **41.7418, 43.8944, 49.9885** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.9141, 45.1586, 47.0128**, and the grayscale version is **41.7070, 43.8790, 47.7843**.

A 20% lighter version of the original color is **77.3800, 81.3812, 91.7505**, and **19.2723, 20.1848, 23.3024** is the 20% darker color. If you saturate the color by 10%, you get **35.6714, 37.3852, 49.0527**, and if you desaturate by 10%, it is **48.5698, 51.1090, 51.0218**.

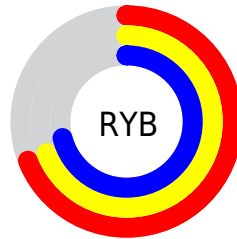
Distribution



Red (69%)

Green (69%)

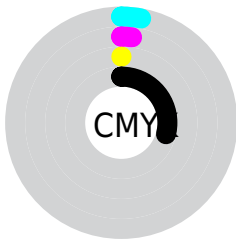
Blue (71%)



Red (69%)

Yellow (69%)

Blue (71%)

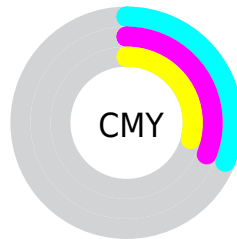


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (29%)



Cyan (31%)

Magenta (31%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7418, 43.8944, 49.9885 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 41.7418, 43.8944, 49.9885 by changing the saturation by 10% instead.

■ 41.7418, 43.8944,
49.9885

■ 41.7418, 43.8944,
49.9885

344.4213,
362.2772, 403.3547

■ 29.0894, 30.5875,
35.0331

■ 77.0763, 81.0588,
91.5540

■ 19.2931, 20.2849,
23.4046

100.4891,
105.6851, 119.0012

■ 11.9875, 12.6023,
14.6845

128.2195,
134.8534, 151.4494

■ 6.8073, 7.1553,
8.4541

160.6327,
168.9479, 189.3172

■ 3.3871, 3.5594,
4.2949

198.0941,
208.3532, 233.0230

■ 1.3616, 1.4303,
1.7885

240.9691,

■ 0.2286, 0.2389,

253.4535, 282.9856

0.4204

289.6231,
304.6334, 339.6233

■ 0.0000, 0.0000,
0.0000

■ 41.7418, 43.8944,
49.9885

■ 41.7418, 43.8944,
49.9885

■ 35.6714, 37.3852,
49.0527

■ 48.5698, 51.1090,
51.0218

■ 30.3278, 31.5539,
48.2088

■ 56.1770, 59.0443,
52.1526

■ 25.6838, 26.3793,
47.4548

■ 64.5892, 67.7221,
53.3842

■ 21.7087, 21.8368,
46.7875

■ 73.8294, 77.1618,
54.7192

■ 18.3698, 17.9003,
46.2036

■ 79.9501, 85.3352,
55.9742

■ 15.6311, 14.5417,
45.6997

■ 83.5653, 92.5656,
57.1793

■ 13.4529, 11.7303,
45.2718

■ 85.3406, 96.1162,
57.7711

■ 11.7903, 9.4320,
44.9159

■ 10.5900, 7.6079,
44.6270

Harmonies

Analogous

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



41.3625, 43.8944, 49.7222



41.7418, 43.8944, 49.9885



42.1177, 43.8944, 49.6590

Triad

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



41.7418, 43.8944, 49.9885



42.3667, 43.8944, 46.6681



41.0593, 43.8944, 46.7731

Complementary

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



41.7418, 43.8944, 49.9885



42.9141, 45.1586, 47.0128

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.



41.3255, 43.8944, 45.9754



41.7418, 43.8944, 49.9885



42.0802, 43.8944, 45.9154

Square

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



41.7418, 43.8944, 49.9885



42.4798, 43.8944, 47.7320



41.6988, 43.8944, 45.6638



40.9699, 43.8944, 47.8551

Rectangle

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



41.7418, 43.8944, 49.9885



42.3153, 43.8944, 49.1488



41.6988, 43.8944, 45.6638



41.1310, 43.8944, 46.4634

Sweetspot

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



41.7431, 43.8963, 49.9895



77.4483, 81.4723, 89.9384



42.3303, 45.4130, 49.1300



16.7532, 17.6238, 19.4410



86.6293, 91.1408, 99.2523



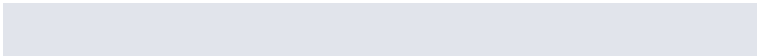
17.0014, 17.8868, 19.4787

Same Dimension

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



41.7431, 43.8963, 49.9895



73.8958, 77.6961, 89.3967



41.5530, 43.2153, 49.8680



8.8907, 9.3468, 10.8418



6.9368, 4.6740, 30.6736



0.2733, 0.2572, 0.9835

Inverse Universe

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



42.3228, 43.6588, 47.7935



75.1647, 77.1823, 84.5888



43.1081, 45.8589, 47.1377



9.0666, 9.2762, 10.1754



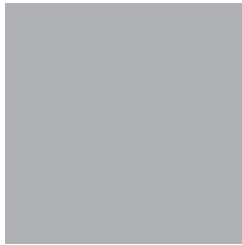
13.7360, 7.0120, 3.7700



0.4600, 0.2317, 0.2649

Previews

White Background



This preview shows how the XYZ color 41.7418, 43.8944, 49.9885 looks on a white background.

Color Contrast Check

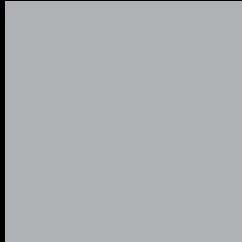
Large Text (above 18pt) WCAG AA × Fail

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 41.7418, 43.8944, 49.9885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

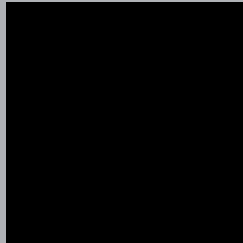
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7418, 43.8944, 49.9885

Background



This preview shows how black text looks on a background with the XYZ color 41.7418, 43.8944, 49.9885.



This preview shows how white text looks on a background with the XYZ color 41.7418, 43.8944,

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

41.7418, 43.8944, 49.9885

Protanopia

42.3540, 43.9297, 49.4270

Deuteranopia

44.4923, 43.5796, 50.3227



Tritanopia

42.7241, 43.9985, 54.9560

Trichromacy



Original Color

41.7418, 43.8944, 49.9885

Protanomaly

42.1237, 43.8109, 49.4162

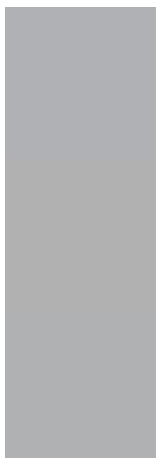
Deuteranomaly

43.3947, 43.5788, 50.3804

Tritanomaly

42.3995, 43.8686, 53.2465

Monochromacy



Original Color

41.7418, 43.8944, 49.9885

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.6625, 43.8887, 48.3950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7418, 43.8944, 49.9885 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(175, 177, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 177, 181)  
}
```

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(175, 177, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 177, 181) }
```

Border

The CSS property to change the border of an element to XYZ 41.7418, 43.8944, 49.9885 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(175, 177, 181) }
```


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

```
.border{ border-color:rgb(175, 177, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 177, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 177, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 177, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 177,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7418, 43.8944, 49.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 177, 181) }
```

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

```
.background{ background-color: rgb(175,  
177, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor