

# Converting Colors

XYZ(41.7610, 49.0103, 49.1818)

Have a look what the booklet for  
XYZ(41.7610, 49.0103, 49.1818)  
contains.

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# Color

**XYZ(41.8038, 48.9313,  
49.3609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C1B2
RGB	161, 193, 178
RGB Percent	63%, 76%, 70%
CMY	0.3686, 0.2431, 0.3020
CMYK	0.17, 0.00, 0.08, 0.24
HSL	152°, 21%, 69%
HSV	152°, 17%, 76%
XYZ	41.8038, 48.9313, 49.3609
YIQ	181.7220, -14.2570, -11.4490

# Conversions

## Conversions Part 2

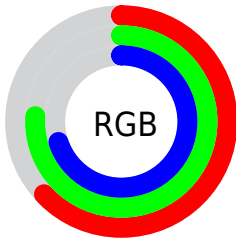
Format	Color
<b>RYB</b>	161, 182, 193
Decimal	10600882
CIELab	75.41, -13.76, 3.96
CIELCh	75, 14.317, 163.939
Yxy	48.9313, 0.2984, 0.3493
Android (android.graphics.Color)	4288790962 (0xFFA1C1B2)
YUV	181.7220, -1.8349, -18.1732
Hunter-Lab	69.9509, -15.7396, 7.1276

# Details

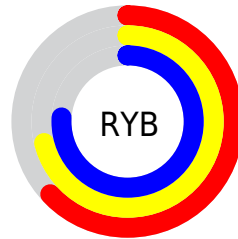
The XYZ color **41.8038, 48.9313, 49.3609** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.5754, 39.9631, 46.5462**, and the grayscale version is **44.3285, 46.6371, 50.7878**.

A 20% lighter version of the original color is **77.3558, 88.9107, 90.9263**, and **19.2410, 23.1971, 22.8654** is the 20% darker color. If you saturate the color by 10%, you get **37.3321, 46.7289, 44.5653**, and if you desaturate by 10%, it is **46.9386, 51.4713, 54.5025**.

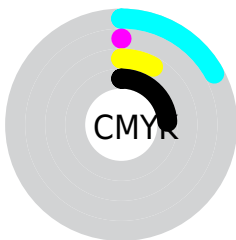
# Distribution



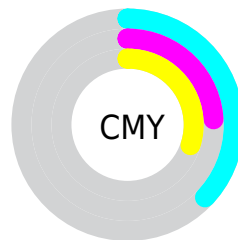
- Red (63%)
- Green (76%)
- Blue (70%)



- Red (63%)
- Yellow (71%)
- Blue (76%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)




- Cyan (37%)
- Magenta (24%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8038, 48.9313, 49.3609 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 41.8038, 48.9313, 49.3609 by changing the saturation by 10% instead.





 41.8038, 48.9313,  
49.3609


 41.8038, 48.9313,  
49.3609


344.6744,  
382.4718, 400.8246

 29.1381, 34.5650,  
34.5382


 77.1696, 88.5894,  
90.6138

 19.3301, 23.3280,  
23.0267


 100.6005,  
114.6500, 117.8810

 12.0145, 14.8359,  
14.4077


128.3505,  
145.3775, 150.1336

 6.8258, 8.7043,  
8.2628

160.7849,  
181.1562, 187.7900

 3.3988, 4.5488,  
4.1734

198.2692,  
222.3706, 231.2688

 1.3680, 1.9850,  
1.7209

241.1686,

 0.2332, 0.5988,

269.4051, 280.9884

0.3750

289.8486,  
322.6440, 337.3675

■ 0.0000, 0.0000,  
0.0000

■ 41.8038, 48.9313,  
49.3609

■ 41.8038, 48.9313,  
49.3609

■ 37.3321, 46.7289,  
44.5653

■ 46.9386, 51.4713,  
54.5025

■ 33.4907, 44.8434,  
40.1049

■ 52.7591, 54.3563,  
59.9938

■ 30.2503, 43.2610,  
35.9735

■ 59.2921, 57.6015,  
65.8428

■ 27.5774, 41.9646,  
32.1629

■ 66.5613, 61.2190,  
72.0560

■ 25.4350, 40.9354,  
28.6649

■ 73.6627, 64.7424,  
78.5967

■ 23.7819, 40.1521,  
25.4708

■ 74.9174, 65.2443,  
85.2042

■ 22.5696, 39.5901,  
22.5712

■ 76.2384, 65.7727,  
92.1604

■ 21.7351, 39.2170,  
19.9559

■ 77.6266, 66.3280,  
99.4704

■ 21.4952, 39.1114,  
19.1236

■ 78.3608, 66.6217,  
103.3369

# Harmonies

## Analogous

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



43.0777, 48.9313, 43.4914



41.8038, 48.9313, 49.3609



41.7586, 48.9313, 56.8527

# Triad

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



41.8038, 48.9313, 49.3609



47.7398, 48.9313, 68.6493



50.2549, 48.9313, 43.8243

# Complementary

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



41.8038, 48.9313, 49.3609



42.5754, 39.9631, 46.5462

# 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.



51.6040, 48.9313, 49.8561



41.8038, 48.9313, 49.3609



50.1152, 48.9313, 64.4323

# Square

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



41.8038, 48.9313, 49.3609



45.1191, 48.9313, 68.4847



51.5519, 48.9313, 57.3968



47.9245, 48.9313, 40.5072



# Rectangle

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



41.8038, 48.9313, 49.3609



42.4271, 48.9313, 61.8027



51.5519, 48.9313, 57.3968



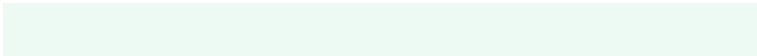
50.8420, 48.9313, 45.5754

# Sweetspot

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



41.8052, 48.9334, 49.3620



85.5506, 92.9176, 99.0476



43.5149, 49.9999, 41.0765



18.2024, 19.8591, 21.1033



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

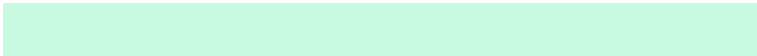


# Same Dimension

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



41.8052, 48.9334, 49.3620



71.7446, 86.0942, 85.1264



43.2775, 49.3340, 57.6959



10.1630, 11.3463, 11.8617



14.3370, 26.0288, 12.9334



0.6540, 1.1385, 0.7409



# Inverse Universe

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



42.5754, 39.9631, 46.5462



73.3908, 66.9237, 79.1094



41.2651, 39.5884, 39.1854



10.2653, 10.1547, 11.4876



15.9082, 8.0530, 7.4286

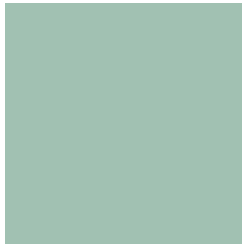


0.7221, 0.3619, 0.5042



# Previews

## White Background



This preview shows how the XYZ color 41.8038, 48.9313, 49.3609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

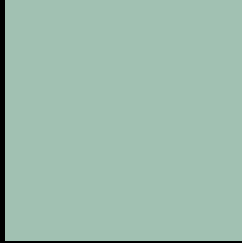
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8038, 48.9313, 49.3609 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

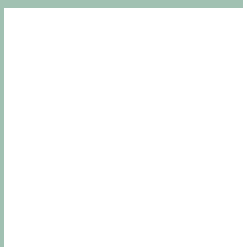
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.8038, 48.9313, 49.3609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8038, 48.9313, 49.3609.



This preview shows how white text looks on a background with the XYZ color 41.8038, 48.9313,



# 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

41.8038, 48.9313, 49.3609

### Protanopia

46.3776, 48.7914, 46.5085

### Deuteranopia

49.6374, 48.5555, 50.4720



## Tritanopia

44.8226, 48.8618, 64.1956

# Trichromacy



## Original Color

41.8038, 48.9313, 49.3609

## Protanomaly

44.5435, 48.7649, 47.6223

## Deuteranomaly

46.3650, 48.3951, 50.0775

## Tritanomaly

43.5736, 48.6596, 58.7254

# Monochromacy



## Original Color

41.8038, 48.9313, 49.3609

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.3550, 47.4527, 50.5903

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8038, 48.9313, 49.3609 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(161, 193, 178)` looks like.

```
.text, #text, p{  
    color:rgb(161, 193, 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(161, 193, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 193, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8038, 48.9313, 49.3609 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(161, 193, 178) }
```



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

```
.border{ border-color:rgb(161, 193, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 193, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 193, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 193, 178);  
box-shadow:4px 4px 4px 4px rgb(161, 193,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8038, 48.9313, 49.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 193, 178) }
```

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

```
.background{ background-color: rgb(161,  
193, 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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