

Converting Colors

XYZ(40.8130, 44.9130, 49.1105)

Have a look what the booklet for
XYZ(40.8130, 44.9130, 49.1105)
contains.

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Color

**XYZ(40.8010, 44.9261,
49.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B6B3
RGB	167, 182, 179
RGB Percent	65%, 71%, 70%
CMY	0.3451, 0.2863, 0.2980
CMYK	0.08, 0.00, 0.02, 0.29
HSL	168°, 9%, 68%
HSV	168°, 8%, 71%
XYZ	40.8010, 44.9261, 49.1690
YIQ	177.1730, -7.9770, -4.1130

Conversions

Conversions Part 2

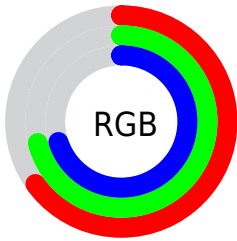
Format	Color
RYB	167, 175, 182
Decimal	10991283
CIELab	72.84, -5.77, -0.26
CIELCh	73, 5.772, 182.609
Yxy	44.9261, 0.3025, 0.3330
Android (android.graphics.Color)	4289181363 (0xFFA7B6B3)
YUV	177.1730, 0.9007, -8.9217
Hunter-Lab	67.0269, -8.6396, 3.4254

Details

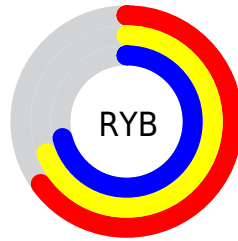
The XYZ color **40.8010, 44.9261, 49.1690** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.3675, 40.4860, 43.7193**, and the grayscale version is **41.8803, 44.0614, 47.9828**.

A 20% lighter version of the original color is **75.6941, 82.6768, 90.5660**, and **18.6864, 20.8517, 22.7786** is the 20% darker color. If you saturate the color by 10%, you get **36.8601, 42.9377, 47.0873**, and if you desaturate by 10%, it is **45.2954, 47.2011, 51.3293**.

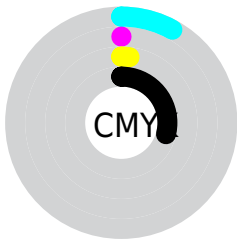
Distribution



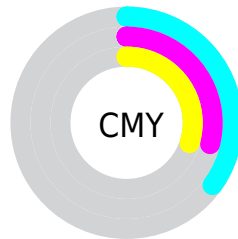
- Red (65%)
- Green (71%)
- Blue (70%)



- Red (65%)
- Yellow (69%)
- Blue (71%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (35%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8010, 44.9261, 49.1690 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 40.8010, 44.9261, 49.1690 by changing the saturation by 10% instead.

■ 40.8010, 44.9261,
49.1690

■ 40.8010, 44.9261,
49.1690

340.5650,
366.4742, 400.0488

■ 28.3506, 31.3992,
34.3870

■ 75.6583, 82.6095,
90.3260

■ 18.7319, 20.9030,
22.9113

■ 98.7960, 107.5348,
117.5381

■ 11.5796, 13.0531,
14.3233

126.2268,
137.0284, 149.7306

■ 6.5282, 7.4652,
8.2046

158.3160,
171.4747, 187.3221

■ 3.2126, 3.7547,
4.1365

195.4291,
211.2580, 230.7312

■ 1.2671, 1.5373,
1.7005

237.9314,

■ 0.1584, 0.3148,

256.7627, 280.3763

0.3611

286.1883,
308.3733, 336.6760

■ 0.0000, 0.0000,
0.0000

■ 40.8010, 44.9261,
49.1690

■ 40.8010, 44.9261,
49.1690

■ 36.8601, 42.9377,
47.0873

■ 45.2954, 47.2011,
51.3293

■ 33.4462, 41.2187,
45.0798

■ 50.3606, 49.7681,
53.5665

■ 30.5366, 39.7585,
43.1460

■ 56.0181, 52.6392,
55.8830

■ 28.1051, 38.5438,
41.2841

■ 62.2869, 55.8243,
58.2802

■ 26.1235, 37.5598,
39.4926

■ 68.0716, 58.7588,
60.7069

■ 24.5602, 36.7904,
37.7695

■ 68.4948, 58.9280,
62.9355

■ 23.3796, 36.2172,
36.1128

■ 68.9282, 59.1014,
65.2176

■ 22.5402, 35.8189,
34.5200

■ 69.3718, 59.2788,
67.5535

■ 21.9739, 35.5603,
32.9876

■ 69.8257, 59.4604,
69.9437

Harmonies

Analogous

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



41.0094, 44.9261, 46.4167



40.8010, 44.9261, 49.1690



41.0950, 44.9261, 51.9577

Triad

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



40.8010, 44.9261, 49.1690



43.7499, 44.9261, 53.7243



43.5954, 44.9261, 44.1696

Complementary

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



40.8010, 44.9261, 49.1690



40.3675, 40.4860, 43.7193

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.



44.3481, 44.9261, 45.9970



40.8010, 44.9261, 49.1690



44.4383, 44.9261, 51.5053

Square

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



40.8010, 44.9261, 49.1690



42.7889, 44.9261, 54.6514



44.6589, 44.9261, 48.6656



42.6131, 44.9261, 43.5983

Rectangle

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



40.8010, 44.9261, 49.1690



41.5391, 44.9261, 53.4431



44.6589, 44.9261, 48.6656



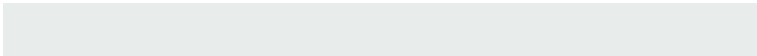
43.8842, 44.9261, 44.6537

Sweetspot

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



40.8023, 44.9280, 49.1700



78.9081, 83.9471, 91.5543



40.3361, 44.8219, 43.0854



17.4476, 18.5511, 20.2307



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.8023, 44.9280, 49.1700



72.5174, 80.7157, 88.4023



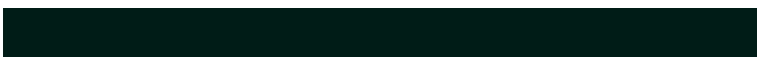
40.2520, 43.3360, 50.5014



9.1876, 10.1790, 11.1450



15.4775, 25.0920, 23.2344



0.5655, 0.8925, 0.9237

Inverse Universe

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



40.3675, 40.4860, 43.7193



71.5577, 70.9095, 76.3698



40.8782, 41.9569, 42.5039



9.0762, 9.0408, 9.7484



13.8725, 7.1227, 1.9493



0.5110, 0.2599, 0.1845

Previews

White Background



This preview shows how the XYZ color 40.8010, 44.9261, 49.1690 looks on a white background.

Color Contrast Check

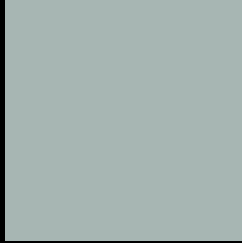
Large Text (above 18pt) WCAG AA × Fail

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 40.8010, 44.9261, 49.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

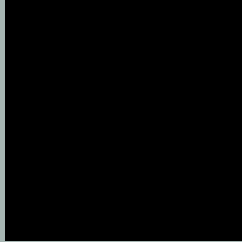
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

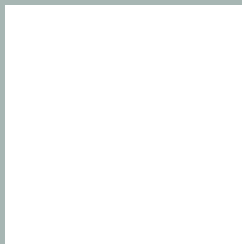
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8010, 44.9261, 49.1690

Background



This preview shows how black text looks on a background with the XYZ color 40.8010, 44.9261, 49.1690.

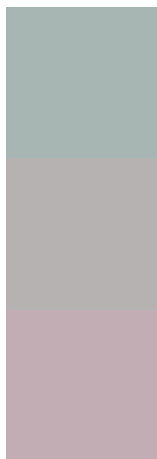


This preview shows how white text looks on a background with the XYZ color 40.8010, 44.9261,

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

40.8010, 44.9261, 49.1690

Protanopia

43.1476, 44.9602, 47.9990

Deuteranopia

45.7897, 44.8254, 49.9549



Tritanopia

42.6364, 45.0836, 57.4938

Trichromacy



Original Color

40.8010, 44.9261, 49.1690

Protanomaly

42.2874, 44.8017, 48.5383

Deuteranomaly

43.7711, 44.6602, 49.4933

Tritanomaly

42.0714, 45.1569, 54.6429

Monochromacy



Original Color

40.8010, 44.9261, 49.1690

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.3896, 44.3388, 48.4963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8010, 44.9261, 49.1690 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(167, 182, 179)` looks like.

```
.text, #text, p{  
    color:rgb(167, 182, 179)  
}
```

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(167, 182, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 182, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.8010, 44.9261, 49.1690 is called "border". The border property can be set on classes, ids or directly on the HTML element.

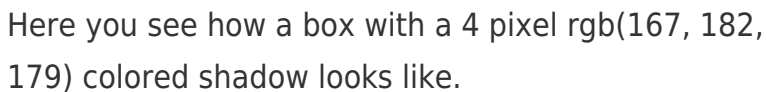
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 182, 179) }
```


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

```
.border{ border-color:rgb(167, 182, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 182, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 182, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 182, 179);  
box-shadow:4px 4px 4px 4px rgb(167, 182,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8010, 44.9261, 49.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 182, 179) }
```

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

```
.background{ background-color: rgb(167,  
182, 179) }
```

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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