

Converting Colors

XYZ(41.7176, 48.9471, 46.7801)

Have a look what the booklet for
XYZ(41.7176, 48.9471, 46.7801)
contains.

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Color

**XYZ(41.7170, 48.9436,
46.7835)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C1AD
RGB	163, 193, 173
RGB Percent	64%, 76%, 68%
CMY	0.3608, 0.2431, 0.3216
CMYK	0.16, 0.00, 0.10, 0.24
HSL	140°, 19%, 70%
HSV	140°, 16%, 76%
XYZ	41.7170, 48.9436, 46.7835
YIQ	181.7500, -11.4600, -12.5800

Conversions

Conversions Part 2

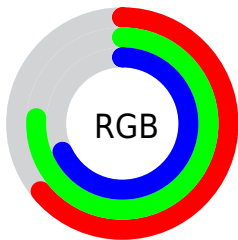
Format	Color
RYB	163, 186, 193
Decimal	10731949
CIELab	75.42, -14.05, 6.70
CIELCh	75, 15.568, 154.525
Yxy	48.9436, 0.3035, 0.3561
Android (android.graphics.Color)	4288922029 (0xFFA3C1AD)
YUV	181.7500, -4.3137, -16.4438
Hunter-Lab	69.9597, -15.9899, 9.3233

Details

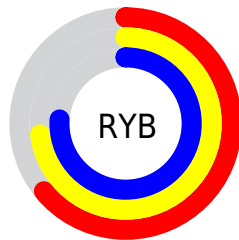
The XYZ color **41.7170, 48.9436, 46.7835** is a light color, and the websafe version is hex **99CCCC**, and the color name is **cambridge blue**. A complement of this color would be **43.6384, 40.9518, 50.4063**, and the grayscale version is **44.3557, 46.6656, 50.8189**.

A 20% lighter version of the original color is **77.1026, 88.8781, 86.4902**, and **19.2394, 23.2252, 21.5581** is the 20% darker color. If you saturate the color by 10%, you get **36.8772, 46.5870, 40.3678**, and if you desaturate by 10%, it is **47.2826, 51.6633, 53.8613**.

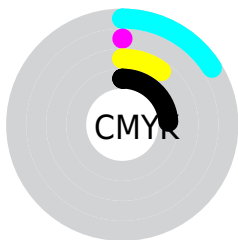
Distribution



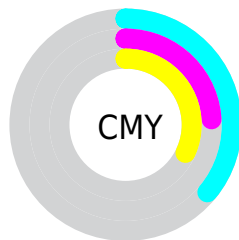
- Red (64%)
- Green (76%)
- Blue (68%)



- Red (64%)
- Yellow (73%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)



- Cyan (36%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7170, 48.9436, 46.7835 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 41.7170, 48.9436, 46.7835 by changing the saturation by 10% instead.

■ 41.7170, 48.9436,
46.7835

■ 41.7170, 48.9436,
46.7835

344.3201,
382.5202, 390.3184

■ 29.0699, 34.5747,
32.5114

■ 77.0390, 88.6077,
86.7370

■ 19.2783, 23.3355,
21.4844

■ 100.4446,
114.6717, 113.2554

■ 11.9767, 14.8414,
13.2838

128.1671,
145.4029, 144.6931

■ 6.7999, 8.7082,
7.4913

160.5718,
181.1856, 181.4685

■ 3.3825, 4.5513,
3.6881

198.0241,
222.4044, 224.0002

■ 1.3591, 1.9865,
1.4559

240.8893,

■ 0.2268, 0.5996,

269.4434, 272.7067

0.1847

289.5329,
322.6873, 328.0066

■ 0.0000, 0.0000,
0.0000

■ 41.7170, 48.9436,
46.7835

■ 41.7170, 48.9436,
46.7835

■ 36.8772, 46.5870,
40.3678

■ 47.2826, 51.6633,
53.8613

■ 32.7285, 44.5718,
34.5919

■ 53.5986, 54.7542,
61.6160

■ 29.2393, 42.8835,
29.4369

■ 60.6937, 58.2321,
70.0665

■ 26.3741, 41.5043,
24.8818

■ 68.5935, 62.1100,
79.2295

■ 24.0937, 40.4144,
20.9044

■ 75.6465, 65.5361,
89.0429

■ 22.3544, 39.5917,
17.4812

■ 77.5985, 66.3169,
99.3222

■ 21.1057, 39.0107,
14.5869

■ 78.3609, 66.6218,
103.3370

■ 20.2860, 38.6403,
12.1939

■ 20.0058, 38.5158,
11.2799

Harmonies

Analogous

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



43.4638, 48.9436, 41.3109



41.7170, 48.9436, 46.7835



41.2363, 48.9436, 54.5469

Triad

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



41.7170, 48.9436, 46.7835



46.9558, 48.9436, 70.6346



51.2118, 48.9436, 44.8328

Complementary

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



41.7170, 48.9436, 46.7835



43.6384, 40.9518, 50.4063

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.



52.2356, 48.9436, 52.0551



41.7170, 48.9436, 46.7835



49.7151, 48.9436, 67.3891

Square

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



41.7170, 48.9436, 46.7835



44.1878, 48.9436, 68.8565



51.6770, 48.9436, 60.3762



48.9316, 48.9436, 40.2685

Rectangle

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



41.7170, 48.9436, 46.7835



41.6811, 48.9436, 60.1186



51.6770, 48.9436, 60.3762



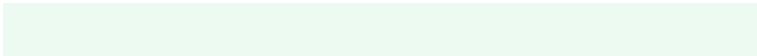
51.7184, 48.9436, 47.0014

Sweetspot

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



41.7184, 48.9457, 46.7846



85.1774, 92.7684, 97.0827



45.3302, 50.9153, 42.0893



18.1117, 19.8228, 20.6256



92.9021, 97.7402, 106.4391



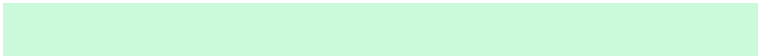
19.4759, 20.4902, 22.3138

Same Dimension

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



41.7184, 48.9457, 46.7846



71.3122, 85.9990, 79.3388



43.1991, 49.5380, 54.5819



10.0798, 11.3130, 11.4237



13.3390, 25.6297, 7.6784



0.6087, 1.1203, 0.5023

Inverse Universe

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



43.6384, 40.9518, 50.4063



75.4694, 68.6883, 87.1781



42.2055, 40.3787, 42.8607



10.3499, 10.1886, 11.9333



17.2868, 8.6045, 14.6882



0.7778, 0.3841, 0.7973

Previews

White Background



This preview shows how the XYZ color 41.7170, 48.9436, 46.7835 looks on a white background.

Color Contrast Check

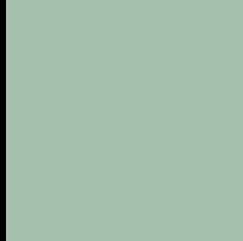
Large Text (above 18pt) WCAG AA × Fail

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 41.7170, 48.9436, 46.7835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

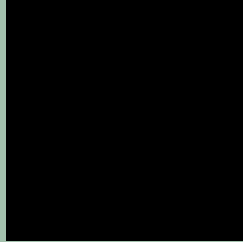
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7170, 48.9436, 46.7835

Background



This preview shows how black text looks on a background with the XYZ color 41.7170, 48.9436, 46.7835.



This preview shows how white text looks on a background with the XYZ color 41.7170, 48.9436,

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

41.7170, 48.9436, 46.7835

Protanopia

46.5027, 48.9000, 44.5238

Deuteranopia

49.6887, 48.6402, 47.8439



Tritanopia

45.2451, 49.0797, 64.2154

Trichromacy



Original Color

41.7170, 48.9436, 46.7835

Protanomaly

44.5303, 48.8138, 45.1052

Deuteranomaly

46.3642, 48.4525, 47.4660

Tritanomaly

43.7650, 48.7842, 57.5617

Monochromacy



Original Color

41.7170, 48.9436, 46.7835

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.3748, 47.4864, 49.5275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7170, 48.9436, 46.7835 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(163, 193, 173)` looks like.

```
.text, #text, p{  
    color:rgb(163, 193, 173)  
}
```

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(163, 193, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 193, 173) }
```

Border

The CSS property to change the border of an element to XYZ 41.7170, 48.9436, 46.7835 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(163, 193, 173) }
```


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

```
.border{ border-color:rgb(163, 193, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 193, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 193, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 193, 173);  
box-shadow:4px 4px 4px 4px rgb(163, 193,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7170, 48.9436, 46.7835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 193, 173) }
```

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

```
.background{ background-color: rgb(163,  
193, 173) }
```

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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