

Converting Colors

XYZ(46.9017, 51.4278, 70.4064)

Have a look what the booklet for
XYZ(46.9017, 51.4278, 70.4064)
contains.

XYZ(46.8191, 51.3870, 70.4018)	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(46.8191, 51.3870,
70.4018)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C2D5
RGB	165, 194, 213
RGB Percent	65%, 76%, 84%
CMY	0.3529, 0.2392, 0.1647
CMYK	0.23, 0.09, 0.00, 0.16
HSL	204°, 36%, 74%
HSV	204°, 23%, 84%
XYZ	46.8191, 51.3870, 70.4018
YIQ	187.4950, -23.3830, -0.2390

Conversions

Conversions Part 2

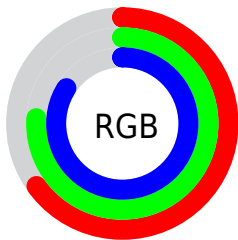
Format	Color
RYB	165, 183, 213
Decimal	10863317
CIELab	76.91, -5.61, -12.75
CIElCh	77, 13.927, 246.262
Yxy	51.3870, 0.2777, 0.3048
Android (android.graphics.Color)	4289053397 (0xFFA5C2D5)
YUV	187.4950, 12.5740, -19.7281
Hunter-Lab	71.6847, -8.8654, -8.0496

Details

The XYZ color **46.8191, 51.3870, 70.4018** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3732, 51.1440, 42.7627**, and the grayscale version is **47.4555, 49.9269, 54.3704**.

A 20% lighter version of the original color is **82.0544, 90.9634, 107.8407**, and **22.2317, 24.6695, 35.9377** is the 20% darker color. If you saturate the color by 10%, you get **40.9293, 45.6451, 69.6048**, and if you desaturate by 10%, it is **53.5563, 57.7264, 71.2712**.

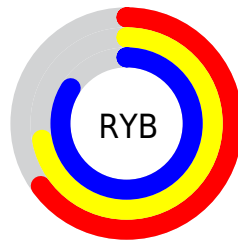
Distribution



Red (65%)

Green (76%)

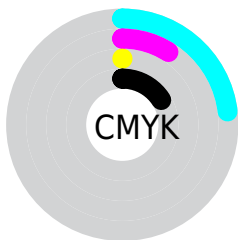
Blue (84%)



Red (65%)

Yellow (72%)

Blue (84%)

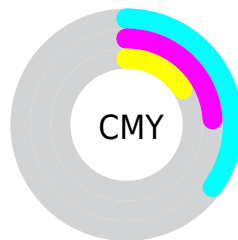


Cyan (23%)

Magenta (9%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (24%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8191, 51.3870, 70.4018 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 46.8191, 51.3870, 70.4018 by changing the saturation by 10% instead.

■ 46.8191, 51.3870,
70.4018

■ 46.8191, 51.3870,
70.4018

364.7530,
392.0655, 480.7867

■ 33.1000, 36.5167,
51.3753

■ 84.6639, 92.2266,
121.4681

■ 22.3627, 24.8335,
36.1286

■ 109.5204,
118.9646, 154.3449

■ 14.2417, 15.9531,
24.2431

138.8200,
150.4274, 192.6757

■ 8.3718, 9.4909,
15.3002

172.9281,
186.9992, 236.8789

■ 4.3876, 5.0628,
8.8814

212.2101,
229.0646, 287.3730

■ 1.9236, 2.2841,
4.5681

257.0314,

■ 0.5905, 0.7653,

277.0078, 344.5767

1.9419

307.7572,
331.2133, 408.9084

■ 0.0000, 0.0000,
0.5192

■ 0.0000, 0.0000,
0.0000

■ 46.8191, 51.3870,
70.4018

■ 46.8191, 51.3870,
70.4018

■ 40.9293, 45.6451,
69.6048

■ 53.5563, 57.7264,
71.2712

■ 35.8440, 40.4721,
68.8743

■ 61.1719, 64.6778,
72.2116

■ 31.5233, 35.8460,
68.2091

■ 69.7011, 72.2633,
73.2262

■ 27.9218, 31.7407,
67.6065

■ 79.1755, 80.5015,
74.3169

■ 24.9889, 28.1273,
67.0637

■ 83.2907, 86.1447,
75.1893

■ 22.6665, 24.9730,
66.5772

■ 85.7777, 91.1188,
76.0183

■ 20.8852, 22.2390,
66.1434

■ 88.3808, 96.3250,
76.8860

■ 19.8209, 20.4252,
65.8494

■ 89.0104, 97.5842,
77.0959

Harmonies

Analogous

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



44.8472, 51.3870, 65.0348



46.8191, 51.3870, 70.4018



49.3997, 51.3870, 71.7479

Triad

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



46.8191, 51.3870, 70.4018



54.0841, 51.3870, 54.3750



45.8895, 51.3870, 44.9903

Complementary

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



46.8191, 51.3870, 70.4018



51.3732, 51.1440, 42.7627

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.



48.2881, 51.3870, 42.6629



46.8191, 51.3870, 70.4018



53.0668, 51.3870, 47.7563

Square

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



46.8191, 51.3870, 70.4018



53.6564, 51.3870, 62.0344



50.9219, 51.3870, 43.6279



44.3242, 51.3870, 50.2802

Rectangle

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



46.8191, 51.3870, 70.4018



51.1313, 51.3870, 70.0857



50.9219, 51.3870, 43.6279



46.6217, 51.3870, 43.8584

Sweetspot

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



46.8206, 51.3891, 70.4030



86.5726, 92.3453, 107.8693



47.9013, 59.0244, 53.8877



18.3805, 19.6292, 23.0700



0.0000, 0.0000, 0.0000



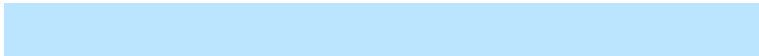
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8206, 51.3891, 70.4030



66.0108, 73.0272, 105.2243



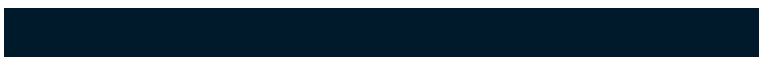
42.0159, 41.7796, 68.8014



12.3606, 13.2445, 15.8425



12.2095, 12.6808, 40.2573



0.8162, 0.9243, 2.4547

Inverse Universe

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



50.6346, 44.9527, 57.0493



72.7994, 62.0286, 81.3527



56.6429, 61.6834, 44.5193



12.7352, 12.5456, 14.5458



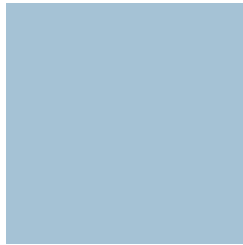
19.2216, 9.6250, 13.7372



1.1996, 0.5966, 1.0405

Previews

White Background



This preview shows how the XYZ color 46.8191, 51.3870, 70.4018 looks on a white background.

Color Contrast Check

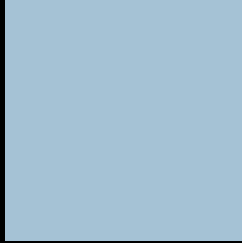
Large Text (above 18pt) WCAG AA × Fail

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 46.8191, 51.3870, 70.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

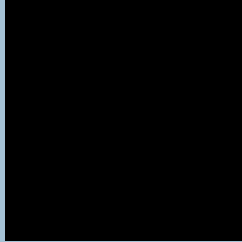
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

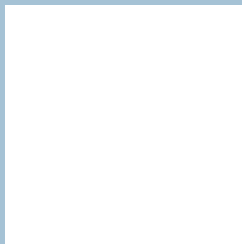
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8191, 51.3870, 70.4018

Background



This preview shows how black text looks on a background with the XYZ color 46.8191, 51.3870, 70.4018.



This preview shows how white text looks on a background with the XYZ color 46.8191, 51.3870,

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

46.8191, 51.3870, 70.4018

Protanopia

49.9854, 51.1347, 67.5571

Deuteranopia

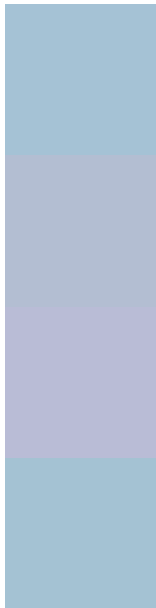
52.3797, 51.3400, 71.4389



Tritanopia

46.2345, 51.1292, 68.4049

Trichromacy



Original Color

46.8191, 51.3870, 70.4018

Protanomaly

48.6367, 51.0638, 68.2656

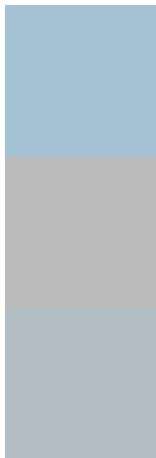
Deuteranomaly

50.1284, 51.1358, 70.8465

Tritanomaly

46.3595, 51.1792, 69.0632

Monochromacy



Original Color

46.8191, 51.3870, 70.4018

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9677, 50.3961, 59.4765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8191, 51.3870, 70.4018 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(165, 194, 213)` looks like.

```
.text, #text, p{  
    color:rgb(165, 194, 213)  
}
```

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(165, 194, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 194, 213) }
```

Border

The CSS property to change the border of an element to XYZ 46.8191, 51.3870, 70.4018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

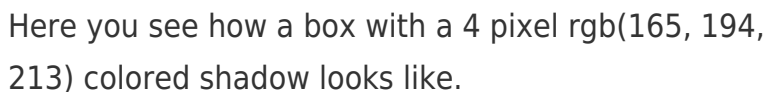
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 194, 213) }
```


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

```
.border{ border-color:rgb(165, 194, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 194, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 194, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 194, 213); box-shadow:4px 4px 4px 4px rgb(165, 194, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8191, 51.3870, 70.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 194, 213) }
```

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

```
.background{ background-color: rgb(165,  
194, 213) }
```

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