

Converting Colors

XYZ(42.8179, 46.9330, 51.1356)

Have a look what the booklet for
XYZ(42.8179, 46.9330, 51.1356)
contains.

XYZ(42.8057, 46.8460, 51.0420)	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(42.8057, 46.8460,
51.0420)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB9B6
RGB	172, 185, 182
RGB Percent	67%, 73%, 71%
CMY	0.3255, 0.2745, 0.2863
CMYK	0.07, 0.00, 0.02, 0.27
HSL	166°, 8%, 70%
HSV	166°, 7%, 73%
XYZ	42.8057, 46.8460, 51.0420
YIQ	180.7710, -6.7850, -3.6890

Conversions

Conversions Part 2

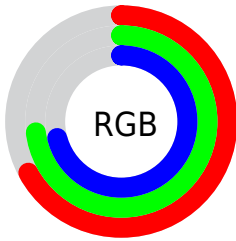
Format	Color
RYB	172, 179, 185
Decimal	11319734
CIELab	74.09, -5.07, -0.04
CIELCh	74, 5.066, 180.398
Yxy	46.8460, 0.3042, 0.3330
Android (android.graphics.Color)	4289509814 (0xFFACB9B6)
YUV	180.7710, 0.6059, -7.6922
Hunter-Lab	68.4441, -8.1414, 3.6956

Details

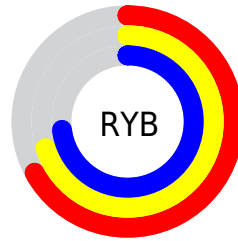
The XYZ color **42.8057, 46.8460, 51.0420** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.4997, 42.9157, 46.6033**, and the grayscale version is **43.7979, 46.0788, 50.1798**.

A 20% lighter version of the original color is **78.5665, 85.4145, 93.2347**, and **19.9594, 22.0806, 23.9789** is the 20% darker color. If you saturate the color by 10%, you get **38.5901, 44.7243, 48.5754**, and if you desaturate by 10%, it is **47.6027, 49.2684, 53.6081**.

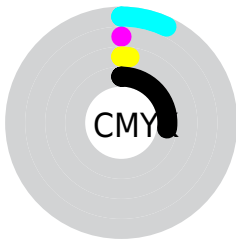
Distribution



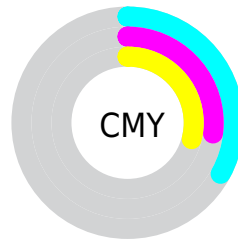
- Red (67%)
- Green (73%)
- Blue (71%)



- Red (67%)
- Yellow (70%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8057, 46.8460, 51.0420 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 42.8057, 46.8460, 51.0420 by changing the saturation by 10% instead.

■ 42.8057, 46.8460,
51.0420

■ 42.8057, 46.8460,
51.0420

348.7472,
374.1995, 407.5782

■ 29.9266, 32.9139,
35.8651

■ 78.6751, 85.4837,
93.1290

■ 19.9306, 22.0605,
24.0411

102.3961,
110.9581, 120.8761

■ 12.4526, 13.9014,
15.1517

130.4617,
141.0488, 153.6504

■ 7.1271, 8.0521,
8.7781

163.2374,
176.1401, 191.8704

■ 3.5887, 4.1283,
4.5019

201.0884,
216.6164, 235.9547

■ 1.4722, 1.7456,
1.9045

244.3801,

■ 0.3068, 0.4529,

262.8622, 286.3217

0.4956

293.4779,
315.2617, 343.3900

■ 0.0000, 0.0000,
0.0000

■ 42.8057, 46.8460,
51.0420

■ 42.8057, 46.8460,
51.0420

■ 38.5901, 44.7243,
48.5754

■ 47.6027, 49.2684,
53.6081

■ 34.9286, 42.8855,
46.2036

■ 52.9991, 51.9970,
56.2721

■ 31.7976, 41.3186,
43.9256

■ 59.0171, 55.0444,
59.0369

■ 29.1702, 40.0097,
41.7397

■ 65.6765, 58.4209,
61.9038

■ 27.0171, 38.9439,
39.6439

■ 69.4129, 60.2890,
64.7066

■ 25.3060, 38.1045,
37.6359

■ 69.9305, 60.4960,
67.4322

■ 24.0003, 37.4726,
35.7133

■ 70.4622, 60.7087,
70.2323

■ 23.0575, 37.0263,
33.8736

■ 71.0082, 60.9271,
73.1075

■ 22.4181, 36.7350,
32.1133

■ 71.5686, 61.1512,
76.0584

Harmonies

Analogous

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



43.0276, 46.8460, 48.5814



42.8057, 46.8460, 51.0420



43.0394, 46.8460, 53.5747

Triad

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



42.8057, 46.8460, 51.0420



45.4134, 46.8460, 55.4344



45.3921, 46.8460, 46.7897

Complementary

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



42.8057, 46.8460, 51.0420



42.4997, 42.9157, 46.6033

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.



46.0458, 46.8460, 48.5233



42.8057, 46.8460, 51.0420



46.0582, 46.8460, 53.5127

Square

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



42.8057, 46.8460, 51.0420



44.5378, 46.8460, 56.1627



46.2912, 46.8460, 50.9727



44.5136, 46.8460, 46.1775

Rectangle

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



42.8057, 46.8460, 51.0420



43.4240, 46.8460, 54.9503



46.2912, 46.8460, 50.9727



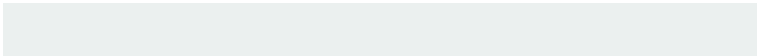
45.6459, 46.8460, 47.2577

Sweetspot

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



42.8070, 46.8480, 51.0430



80.8216, 85.9978, 93.6858



42.4835, 46.7964, 45.8239



17.4432, 18.5493, 20.2073



88.6918, 93.3107, 101.6153



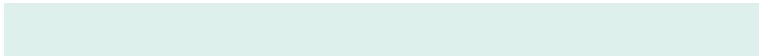
17.8044, 18.7317, 20.3988

Same Dimension

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



42.8070, 46.8480, 51.0430



75.7805, 83.4551, 90.9173



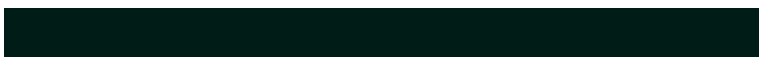
42.4042, 45.5403, 52.4565



9.1755, 10.1742, 11.0818



15.1806, 24.9732, 21.6705



0.5572, 0.8892, 0.8798

Inverse Universe

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



42.4997, 42.9157, 46.6033



75.1485, 75.3684, 81.7872



42.8765, 44.1362, 45.2897



9.0873, 9.0453, 9.8073



13.9407, 7.1500, 2.3084



0.5157, 0.2618, 0.2094

Previews

White Background



This preview shows how the XYZ color 42.8057, 46.8460, 51.0420 looks on a white background.

Color Contrast Check

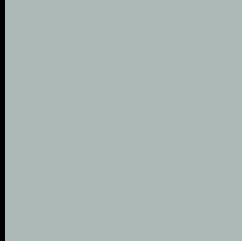
Large Text (above 18pt) WCAG AA × Fail

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 42.8057, 46.8460, 51.0420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

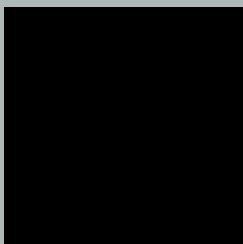
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

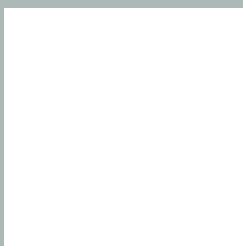
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8057, 46.8460, 51.0420

Background



This preview shows how black text looks on a background with the XYZ color 42.8057, 46.8460, 51.0420.



This preview shows how white text looks on a background with the XYZ color 42.8057, 46.8460,

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

42.8057, 46.8460, 51.0420

Protanopia

45.0118, 46.7821, 49.8375

Deuteranopia

47.7303, 46.6535, 51.8368



Tritanopia

44.6907, 47.0122, 59.5421

Trichromacy



Original Color

42.8057, 46.8460, 51.0420

Protanomaly

44.1245, 46.6159, 50.3882

Deuteranomaly

45.6536, 46.4779, 51.3647

Tritanomaly

44.1105, 47.0854, 56.6327

Monochromacy



Original Color

42.8057, 46.8460, 51.0420

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.4285, 46.2571, 50.3556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8057, 46.8460, 51.0420 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(172, 185, 182) looks like.

```
.text, #text, p{  
    color:rgb(172, 185, 182)  
}
```

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(172, 185, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 185, 182) }
```

Border

The CSS property to change the border of an element to XYZ 42.8057, 46.8460, 51.0420 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(172, 185, 182) }
```


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

```
.border{ border-color:rgb(172, 185, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 185, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 185, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 185, 182);  
box-shadow:4px 4px 4px 4px rgb(172, 185,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8057, 46.8460, 51.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 185, 182) }
```

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

```
.background{ background-color: rgb(172,  
185, 182) }
```

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