

# Converting Colors

XYZ(42.3083, 46.9983, 51.8290)

Have a look what the booklet for  
XYZ(42.3083, 46.9983, 51.8290)  
contains.

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# Color

**XYZ(42.2546, 46.8615,  
51.6179)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8BAB7
RGB	168, 186, 183
RGB Percent	66%, 73%, 72%
CMY	0.3412, 0.2706, 0.2823
CMYK	0.10, 0.00, 0.02, 0.27
HSL	170°, 12%, 69%
HSV	170°, 10%, 73%
XYZ	42.2546, 46.8615, 51.6179
YIQ	180.2760, -9.7650, -4.7490

# Conversions

## Conversions Part 2

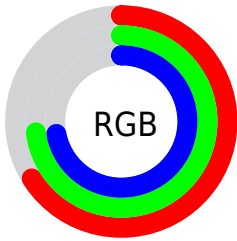
Format	Color
<b>RYB</b>	168, 178, 186
Decimal	11057847
CIELab	74.10, -6.76, -0.60
CIELCh	74, 6.787, 185.073
Yxy	46.8615, 0.3002, 0.3330
Android (android.graphics.Color)	4289247927 (0xFFA8BAB7)
YUV	180.2760, 1.3429, -10.7661
Hunter-Lab	68.4555, -9.6167, 3.2120

# Details

The XYZ color **42.2546, 46.8615, 51.6179** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.6047, 41.3859, 44.3257**, and the grayscale version is **43.5285, 45.7954, 49.8712**.

A 20% lighter version of the original color is **77.7635, 85.4242, 94.0513**, and **19.6193, 22.0998, 24.3507** is the 20% darker color. If you saturate the color by 10%, you get **38.2554, 44.8380, 49.7644**, and if you desaturate by 10%, it is **46.8300, 49.1838, 53.5374**.

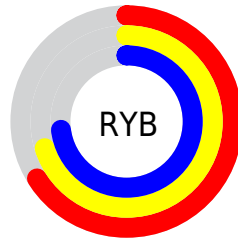
# Distribution



Red (66%)

Green (73%)

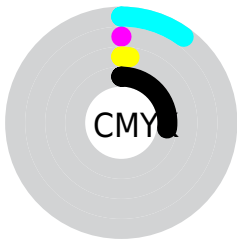
Blue (72%)



Red (66%)

Yellow (70%)

Blue (73%)

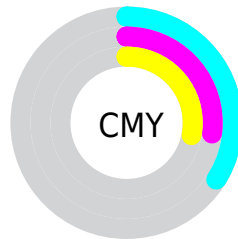


Cyan (10%)

Magenta (0%)

Yellow (2%)

Black (27%)



Cyan (34%)

Magenta (27%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2546, 46.8615, 51.6179 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 42.2546, 46.8615, 51.6179 by changing the saturation by 10% instead.



■ 42.2546, 46.8615,  
51.6179

■ 42.2546, 46.8615,  
51.6179

346.5110,  
374.2614, 409.8746

■ 29.4927, 32.9262,  
36.3205

■ 77.8476, 85.5068,  
93.9883

■ 19.6000, 22.0699,  
24.3901

■ 101.4093,  
110.9857, 121.8984

■ 12.2112, 13.9083,  
15.4084

129.3017,  
141.0811, 154.8497

■ 6.9609, 8.0569,  
8.9567

161.8901,  
176.1776, 193.2609

■ 3.4838, 4.1314,  
4.6165

199.5399,  
216.6594, 237.5504

■ 1.4145, 1.7473,  
1.9693

242.6164,

■ 0.2665, 0.4540,

262.9111, 288.1368

0.5363

291.4850,  
315.3170, 345.4387

■ 0.0000, 0.0000,  
0.0000

■ 42.2546, 46.8615,  
51.6179

■ 42.2546, 46.8615,  
51.6179

■ 38.2554, 44.8380,  
49.7644

■ 46.8300, 49.1838,  
53.5374

■ 34.8046, 43.0951,  
47.9726

■ 52.0002, 51.8105,  
55.5212

■ 31.8776, 41.6215,  
46.2419

■ 57.7878, 54.7548,  
57.5716

■ 29.4468, 40.4028,  
44.5710

■ 64.2131, 58.0269,  
59.6896

■ 27.4818, 39.4235,  
42.9580

■ 69.0521, 60.4805,  
61.7715

■ 25.9489, 38.6662,  
41.4012

■ 69.4150, 60.6256,  
63.6822

■ 24.8099, 38.1110,  
39.8986

■ 69.7852, 60.7737,  
65.6317

■ 24.0195, 37.7349,  
38.4477

■ 70.1628, 60.9247,  
67.6204

■ 23.4904, 37.4926,  
37.0443

■ 70.5479, 61.0788,  
69.6484

# Harmonies

## Analogous

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



42.4561, 46.8615, 48.2571



42.2546, 46.8615, 51.6179



42.6564, 46.8615, 54.9646

# Triad

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



42.2546, 46.8615, 51.6179



45.8959, 46.8615, 56.6959



45.5319, 46.8615, 45.1963

# Complementary

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



42.2546, 46.8615, 51.6179



41.6047, 41.3859, 44.3257

# 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.



46.4791, 46.8615, 47.2768



42.2546, 46.8615, 51.6179



46.6919, 46.8615, 53.8952

# Square

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



42.2546, 46.8615, 51.6179



44.7473, 46.8615, 57.9801



46.9073, 46.8615, 50.4351



44.3343, 46.8615, 44.6481



# Rectangle

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



42.2546, 46.8615, 51.6179



43.2168, 46.8615, 56.7064



46.9073, 46.8615, 50.4351



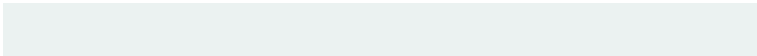
45.8909, 46.8615, 45.7349

# Sweetspot

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



42.2559, 46.8635, 51.6189



81.9646, 87.6655, 95.8499



41.4882, 46.6386, 43.8621



17.8999, 19.2293, 21.0455



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



42.2559, 46.8635, 51.6189



74.6642, 83.9642, 92.7001



41.3947, 44.6354, 52.8904



9.2006, 10.1842, 11.2138



15.8159, 25.2273, 25.0164



0.5748, 0.8962, 0.9730



# Inverse Universe

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



41.6047, 41.3859, 44.3257



73.2020, 71.6641, 76.3237



42.3973, 43.4240, 43.1937



9.0641, 9.0360, 9.6850



13.8092, 7.0974, 1.6161



0.5059, 0.2578, 0.1575



# Previews

## White Background



This preview shows how the XYZ color 42.2546, 46.8615, 51.6179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

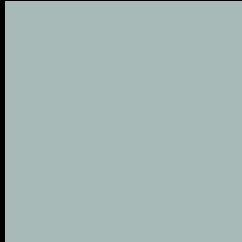
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2546, 46.8615, 51.6179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

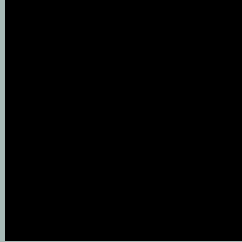
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

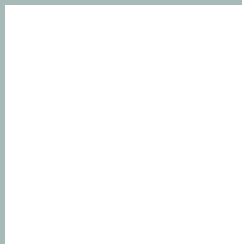
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.2546, 46.8615, 51.6179**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2546, 46.8615, 51.6179.



This preview shows how white text looks on a background with the XYZ color 42.2546, 46.8615,

51.6179.

# 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

42.2546, 46.8615, 51.6179

### Protanopia

44.7697, 46.6573, 49.8262

### Deuteranopia

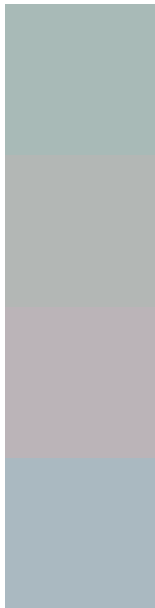
47.5710, 46.5592, 52.3785



## Tritanopia

44.1281, 47.0161, 60.1753

# Trichromacy



## Original Color

42.2546, 46.8615, 51.6179

## Protanomaly

43.8644, 46.7869, 50.4349

## Deuteranomaly

45.4665, 46.6680, 51.9589

## Tritanomaly

43.5522, 47.0942, 57.2467

# Monochromacy



## Original Color

42.2546, 46.8615, 51.6179

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

42.9729, 46.0222, 50.3343

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2546, 46.8615, 51.6179 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(168, 186, 183)` looks like.

```
.text, #text, p{  
    color:rgb(168, 186, 183)  
}
```

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(168, 186, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 186, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2546, 46.8615, 51.6179 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(168, 186, 183) }
```



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

```
.border{ border-color:rgb(168, 186, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 186, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 186, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 186, 183);  
box-shadow:4px 4px 4px 4px rgb(168, 186,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2546, 46.8615, 51.6179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 186, 183) }
```

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

```
.background{ background-color: rgb(168,  
186, 183) }
```

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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