

# Converting Colors

XYZ(38.5206, 45.7646, 42.8551)

Have a look what the booklet for  
XYZ(38.5206, 45.7646, 42.8551)  
contains.

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# Color

**XYZ(38.5765, 45.7875,  
42.8811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CBCA6
RGB	156, 188, 166
RGB Percent	61%, 74%, 65%
CMY	0.3882, 0.2627, 0.3490
CMYK	0.17, 0.00, 0.12, 0.26
HSL	139°, 19%, 67%
HSV	139°, 17%, 74%
XYZ	38.5765, 45.7875, 42.8811
YIQ	175.9240, -12.0100, -13.6260

# Conversions

## Conversions Part 2

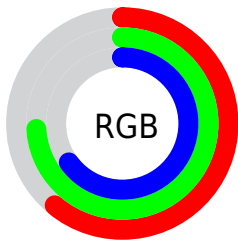
Format	Color
R <sub>YB</sub>	156, 180, 188
Decimal	10271910
CIE Lab	73.41, -15.18, 7.55
CIE LCh	73, 16.956, 153.553
Yxy	45.7875, 0.3032, 0.3598
Android (android.graphics.Color)	4288461990 (0xFF9CBCA6)
YUV	175.9240, -4.8925, -17.4733
Hunter-Lab	67.6665, -16.6539, 9.7937

# Details

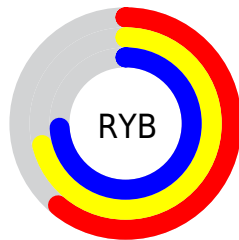
The XYZ color **38.5765, 45.7875, 42.8811** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.6650, 37.6839, 47.2521**, and the grayscale version is **41.2574, 43.4060, 47.2692**.

A 20% lighter version of the original color is **72.2658, 83.7707, 80.7672**, and **17.4102, 21.4859, 19.1492** is the 20% darker color. If you saturate the color by 10%, you get **34.0896, 43.6059, 36.7899**, and if you desaturate by 10%, it is **43.7482, 48.3109, 49.6285**.

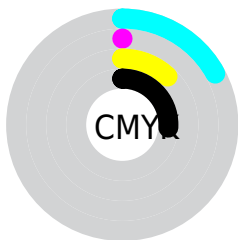
# Distribution



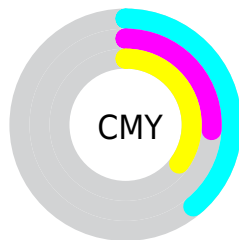
- Red (61%)
- Green (74%)
- Blue (65%)



- Red (61%)
- Yellow (71%)
- Blue (74%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (26%)




- Cyan (39%)
- Magenta (26%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5765, 45.7875, 42.8811 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 38.5765, 45.7875, 42.8811 by changing the saturation by 10% instead.





 38.5765, 45.7875,  
42.8811


 38.5765, 45.7875,  
42.8811


331.3248,  
369.9537, 374.0294

 26.6097, 32.0782,  
29.4611


 72.2891, 83.9009,  
80.8158

 17.4154, 21.4212,  
19.1814


 94.7656, 109.0737,  
106.1677

 10.6282, 13.4322,  
11.6233


121.4761,  
138.8365, 136.3339

 5.8829, 7.7269,  
6.3683

152.7858,  
173.5737, 171.7330

 2.8140, 3.9207,  
2.9979

189.0602,  
213.6696, 212.7836

 1.0562, 1.6293,  
1.0936

230.6646,

 0.0000, 0.3772,

259.5086, 259.9041

0.0000

277.9644,  
311.4752, 313.5132

■ 0.0000, 0.0000,  
0.0000

■ 38.5765, 45.7875,  
42.8811

■ 38.5765, 45.7875,  
42.8811

■ 34.0896, 43.6059,  
36.7899

■ 43.7482, 48.3109,  
49.6285

■ 30.2545, 41.7457,  
31.3321

■ 49.6284, 51.1842,  
57.0477

■ 27.0409, 40.1929,  
26.4882

■ 56.2445, 54.4222,  
65.1579

■ 24.4146, 38.9303,  
22.2363

■ 63.6210, 58.0374,  
73.9763

■ 22.3379, 37.9391,  
18.5535

■ 71.7813, 62.0414,  
83.5198

■ 20.7687, 37.1980,  
15.4152

■ 75.4859, 63.7328,  
93.5581

■ 19.6582, 36.6824,  
12.7948

■ 77.2741, 64.4481,  
102.9747

■ 18.9401, 36.3586,  
10.6632

■ 18.7669, 36.2813,  
10.1171

# Harmonies

## Analogous

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



40.4213, 45.7875, 37.3633



38.5765, 45.7875, 42.8811



38.0345, 45.7875, 50.8813

# Triad

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



38.5765, 45.7875, 42.8811



43.8766, 45.7875, 68.1427



48.4844, 45.7875, 41.3037

# Complementary

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



38.5765, 45.7875, 42.8811



40.6650, 37.6839, 47.2521

# 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.



49.5083, 45.7875, 48.8422



38.5765, 45.7875, 42.8811



46.7724, 45.7875, 64.8598

# Square

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



38.5765, 45.7875, 42.8811



41.0112, 45.7875, 66.0824



48.8680, 45.7875, 57.5463



46.1284, 45.7875, 36.5284



# Rectangle

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



38.5765, 45.7875, 42.8811



38.4635, 45.7875, 56.7218



48.8680, 45.7875, 57.5463



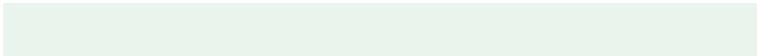
49.0006, 45.7875, 43.5657

# Sweetspot

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



38.5778, 45.7894, 42.8821



81.2490, 88.5121, 92.4525



42.4377, 47.8812, 38.4585



17.3179, 18.9588, 19.6846



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

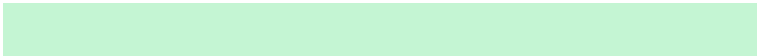


# Same Dimension

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



38.5778, 45.7894, 42.8821



67.0906, 81.6083, 73.9352



40.0972, 46.3972, 50.8836



9.5283, 10.6974, 10.7655



12.8068, 24.7130, 7.0455



0.5320, 0.9802, 0.4357



# Inverse Universe

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



40.6650, 37.6839, 47.2521



71.5033, 64.4694, 83.1715



39.1862, 37.0923, 39.4643



9.7996, 9.6441, 11.3337



16.8643, 8.3769, 15.1109

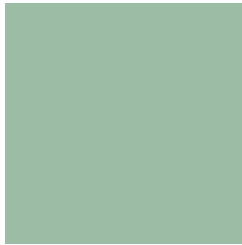


0.6888, 0.3394, 0.7405



# Previews

## White Background



This preview shows how the XYZ color 38.5765, 45.7875, 42.8811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

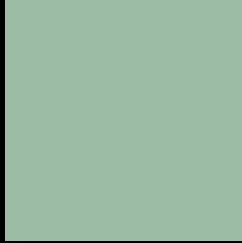
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5765, 45.7875, 42.8811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

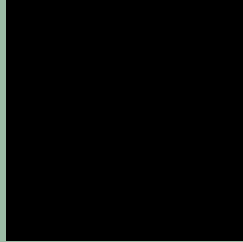
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.5765, 45.7875, 42.8811**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5765, 45.7875, 42.8811.



This preview shows how white text looks on a background with the XYZ color 38.5765, 45.7875,



# 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

38.5765, 45.7875, 42.8811

### Protanopia

43.0466, 45.3782, 40.2083

### Deuteranopia

46.3849, 45.5542, 43.8842



## Tritanopia

42.0268, 45.6256, 60.0176

# Trichromacy



## Original Color

38.5765, 45.7875, 42.8811

## Protanomaly

41.2433, 45.3303, 41.2262

## Deuteranomaly

43.1956, 45.3816, 43.5287

## Tritanomaly

40.7091, 45.7167, 53.1330

# Monochromacy



## Original Color

38.5765, 45.7875, 42.8811

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

40.1298, 44.0561, 45.4183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5765, 45.7875, 42.8811 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(156, 188, 166)` looks like.

```
.text, #text, p{  
    color:rgb(156, 188, 166)  
}
```

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(156, 188, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 188, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5765, 45.7875, 42.8811 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(156, 188, 166) }
```



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

```
.border{ border-color:rgb(156, 188, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 188, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 188, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 188, 166);  
box-shadow:4px 4px 4px 4px rgb(156, 188,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5765, 45.7875, 42.8811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 188, 166) }
```

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

```
.background{ background-color: rgb(156,  
188, 166) }
```

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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