

# Converting Colors

XYZ(39.6626, 45.6060, 49.7589)

Have a look what the booklet for  
XYZ(39.6626, 45.6060, 49.7589)  
contains.

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# Color

**XYZ(39.7018, 45.5812,  
49.8856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DBAB4
RGB	157, 186, 180
RGB Percent	62%, 73%, 71%
CMY	0.3843, 0.2706, 0.2941
CMYK	0.16, 0.00, 0.03, 0.27
HSL	168°, 17%, 67%
HSV	168°, 16%, 73%
XYZ	39.7018, 45.5812, 49.8856
YIQ	176.6450, -15.3580, -8.0140

# Conversions

## Conversions Part 2

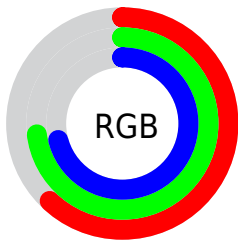
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 173, 186
Decimal	10336948
CIELab	73.27, -11.04, -0.26
CIElCh	73, 11.039, 181.368
Yxy	45.5812, 0.2937, 0.3372
Android (android.graphics.Color)	4288527028 (0xFF9DBAB4)
YUV	176.6450, 1.6540, -17.2287
Hunter-Lab	67.5139, -13.1816, 3.4507

# Details

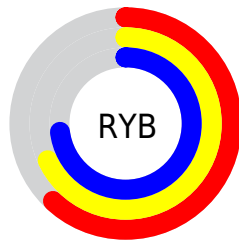
The XYZ color **39.7018, 45.5812, 49.8856** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.9192, 37.1987, 39.7812**, and the grayscale version is **41.6022, 43.7688, 47.6642**.

A 20% lighter version of the original color is **74.0438, 83.5574, 91.5826**, and **18.0440, 21.3106, 23.2410** is the 20% darker color. If you saturate the color by 10%, you get **35.9590, 43.6976, 47.6923**, and if you desaturate by 10%, it is **44.0106, 47.7577, 52.1642**.

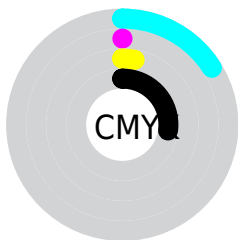
# Distribution



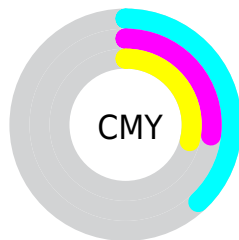
- Red (62%)
- Green (73%)
- Blue (71%)



- Red (62%)
- Yellow (68%)
- Blue (73%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (38%)
- Magenta (27%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7018, 45.5812, 49.8856 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 39.7018, 45.5812, 49.8856 by changing the saturation by 10% instead.



■ 39.7018, 45.5812,  
49.8856

■ 39.7018, 45.5812,  
49.8856

336.0211,  
369.1224, 402.9406

■ 27.4893, 31.9155,  
34.9520

■ 73.9964, 83.5919,  
91.3999

■ 18.0795, 21.2969,  
23.3426

■ 96.8093, 108.7056,  
118.8177

■ 11.1071, 13.3412,  
14.6390

123.8863,  
138.4041, 151.2339

■ 6.2068, 7.6639,  
8.4226

155.5928,  
173.0718, 189.0671

■ 3.0131, 3.8807,  
4.2749

192.2942,  
213.0931, 232.7358

■ 1.1607, 1.6070,  
1.7773

234.3558,

■ 0.0750, 0.3623,

258.8524, 282.6586

0.4130

282.1430,  
310.7340, 339.2541

■ 0.0000, 0.0000,  
0.0000

■ 39.7018, 45.5812,  
49.8856

■ 39.7018, 45.5812,  
49.8856

■ 35.9590, 43.6976,  
47.6923

■ 44.0106, 47.7577,  
52.1642

■ 32.7533, 42.0885,  
45.5796

■ 48.9048, 50.2336,  
54.5265

■ 30.0592, 40.7418,  
43.5468

■ 54.4079, 53.0220,  
56.9751

■ 27.8473, 39.6425,  
41.5920

■ 60.5408, 56.1339,  
59.5114

■ 26.0853, 38.7740,  
39.7134

■ 67.3233, 59.5793,  
62.1367

■ 24.7371, 38.1175,  
37.9086

■ 69.5911, 60.6960,  
64.6098

■ 23.7606, 37.6514,  
36.1753

■ 70.0560, 60.8820,  
67.0580

■ 23.1035, 37.3488,  
34.5105

■ 70.5324, 61.0725,  
69.5667

■ 22.8661, 37.2420,  
33.7961

■ 71.0204, 61.2677,  
72.1362

# Harmonies

## Analogous

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



40.1325, 45.5812, 44.6870



39.7018, 45.5812, 49.8856



40.2172, 45.5812, 55.3990

# Triad

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



39.7018, 45.5812, 49.8856



45.2936, 45.5812, 59.3179



45.1350, 45.5812, 40.8349

# Complementary

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



39.7018, 45.5812, 49.8856



38.9192, 37.1987, 39.7812

# 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.



46.5859, 45.5812, 44.2764



39.7018, 45.5812, 49.8856



46.6794, 45.5812, 54.9251

# Square

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



39.7018, 45.5812, 49.8856



43.4127, 45.5812, 61.0897



47.1591, 45.5812, 49.3756



43.2346, 45.5812, 39.7016



# Rectangle

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



39.7018, 45.5812, 49.8856



41.0371, 45.5812, 58.4483



47.1591, 45.5812, 49.3756



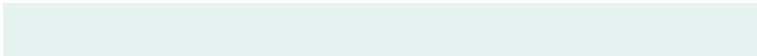
45.6934, 45.5812, 41.7469

# Sweetspot

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



39.7031, 45.5831, 49.8866



80.1939, 86.7750, 94.7607



38.8085, 45.3706, 38.6111



17.5302, 19.0437, 20.8025



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.



39.7031, 45.5831, 49.8866



69.3180, 81.2862, 88.9204



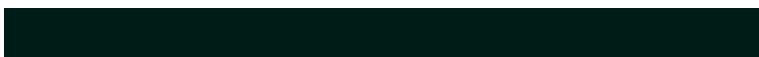
38.6463, 42.4696, 52.6171



9.1849, 10.1779, 11.1310



15.4106, 25.0652, 22.8818



0.5636, 0.8918, 0.9139



# Inverse Universe

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



38.9192, 37.1987, 39.7812



67.6040, 62.9459, 66.8193



39.8313, 39.8634, 37.4942



9.0786, 9.0418, 9.7614



13.8867, 7.1284, 2.0244



0.5121, 0.2603, 0.1900



# Previews

## White Background



This preview shows how the XYZ color 39.7018, 45.5812, 49.8856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

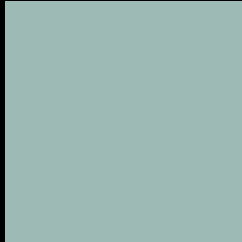
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7018, 45.5812, 49.8856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

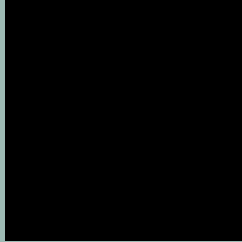
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 39.7018, 45.5812, 49.8856

## Background



This preview shows how black text looks on a background with the XYZ color 39.7018, 45.5812, 49.8856.



This preview shows how white text looks on a background with the XYZ color 39.7018, 45.5812,



# 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

39.7018, 45.5812, 49.8856

### Protanopia

43.7237, 45.5651, 47.5648

### Deuteranopia

46.0852, 45.2516, 50.5614



## Tritanopia

41.6237, 45.4178, 59.9988

# Trichromacy



## Original Color

39.7018, 45.5812, 49.8856

## Protanomaly

42.1193, 45.6289, 48.1823

## Deuteranomaly

43.3169, 45.0007, 50.1190

## Tritanomaly

40.8425, 45.4135, 55.9033

# Monochromacy



## Original Color

39.7018, 45.5812, 49.8856

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

40.9347, 44.4029, 48.5326

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7018, 45.5812, 49.8856 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(157, 186, 180)` looks like.

```
.text, #text, p{  
    color:rgb(157, 186, 180)  
}
```

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(157, 186, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 186, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7018, 45.5812, 49.8856 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".

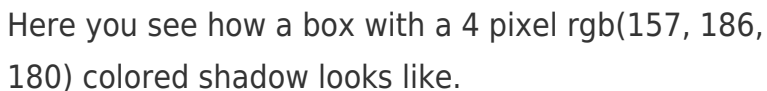
```
.border, #border, table{ border:4px solid rgb(157, 186, 180) }
```



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

```
.border{ border-color:rgb(157, 186, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 186, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 186, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 186, 180); box-shadow:4px 4px 4px 4px rgb(157, 186, 180) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7018, 45.5812, 49.8856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 186, 180) }
```

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

```
.background{ background-color: rgb(157,  
186, 180) }
```

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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