

# Converting Colors

XYZ(38.6107, 45.6936, 51.8633)

Have a look what the booklet for  
XYZ(38.6107, 45.6936, 51.8633)  
contains.

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# Color

**XYZ(38.6676, 45.6302,  
52.1169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93BCB8
RGB	147, 188, 184
RGB Percent	58%, 74%, 72%
CMY	0.4235, 0.2627, 0.2784
CMYK	0.22, 0.00, 0.02, 0.26
HSL	174°, 23%, 66%
HSV	174°, 22%, 74%
XYZ	38.6676, 45.6302, 52.1169
YIQ	175.2850, -23.1520, -9.9360

# Conversions

## Conversions Part 2

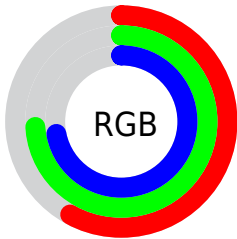
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 169, 188
Decimal	9682104
CIELab	73.30, -14.45, -2.47
CIELCh	73, 14.658, 189.716
Yxy	45.6302, 0.2835, 0.3345
Android (android.graphics.Color)	4287872184 (0xFF93BCB8)
YUV	175.2850, 4.2965, -24.8059
Hunter-Lab	67.5501, -16.0343, 1.5411

# Details

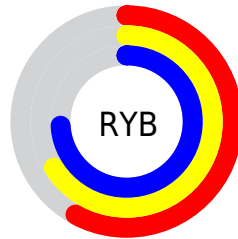
The XYZ color **38.6676, 45.6302, 52.1169** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7603, 33.7945, 33.8656**, and the grayscale version is **40.8833, 43.0124, 46.8405**.

A 20% lighter version of the original color is **72.4360, 83.5492, 94.7469**, and **17.4800, 21.3995, 24.6820** is the 20% darker color. If you saturate the color by 10%, you get **35.3772, 43.9572, 50.9660**, and if you desaturate by 10%, it is **42.5141, 47.5920, 53.3088**.

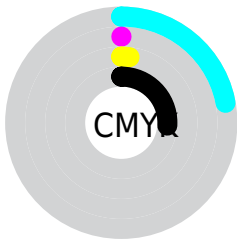
# Distribution



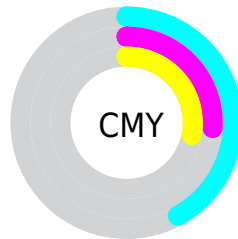
- Red (58%)
- Green (74%)
- Blue (72%)



- Red (58%)
- Yellow (66%)
- Blue (74%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)



- Cyan (42%)
- Magenta (26%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6676, 45.6302, 52.1169 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 38.6676, 45.6302, 52.1169 by changing the saturation by 10% instead.



■ 38.6676, 45.6302,  
52.1169

■ 38.6676, 45.6302,  
52.1169

331.7067,  
369.3199, 411.8575

■ 26.6808, 31.9541,  
36.7154

■ 72.4276, 83.6653,  
94.7320

■ 17.4690, 21.3264,  
24.6931

■ 94.9315, 108.7931,  
122.7826

■ 10.6668, 13.3628,  
15.6316

121.6718,  
138.5069, 155.8866

■ 5.9089, 7.6789,  
9.1124

153.0138,  
173.1911, 194.4627

■ 2.8299, 3.8902,  
4.7167

189.3230,  
213.2301, 238.9292

■ 1.0645, 1.6123,  
2.0262

230.9646,

■ 0.0000, 0.3659,

259.0083, 289.7049

0.5713

278.3041,  
310.9101, 347.2081

■ 0.0000, 0.0000,  
0.0000

■ 38.6676, 45.6302,  
52.1169

■ 38.6676, 45.6302,  
52.1169

■ 35.3772, 43.9572,  
50.9660

■ 42.5141, 47.5920,  
53.3088

■ 32.6122, 42.5536,  
49.8517

■ 46.9377, 49.8498,  
54.5398

■ 30.3449, 41.4063,  
48.7737

■ 51.9631, 52.4175,  
55.8121

■ 28.5437, 40.4989,  
47.7303

■ 57.6124, 55.3065,  
57.1267

■ 27.1729, 39.8132,  
46.7199

■ 63.9065, 58.5278,  
58.4848

■ 26.1922, 39.3283,  
45.7406

■ 69.0758, 61.1688,  
59.8035

■ 25.5530, 39.0192,  
44.7900

■ 69.2847, 61.2523,  
60.9033

■ 25.2068, 38.8572,  
44.0291

■ 69.4961, 61.3369,  
62.0167

■ 69.7101, 61.4225,  
63.1436

# Harmonies

## Analogous

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



38.8868, 45.6302, 44.9249



38.6676, 45.6302, 52.1169



39.6695, 45.6302, 59.3132

# Triad

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



38.6676, 45.6302, 52.1169



46.6137, 45.6302, 61.4173



45.1105, 45.6302, 37.5270

# Complementary

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



38.6676, 45.6302, 52.1169



36.7603, 33.7945, 33.8656

# 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.



47.2941, 45.6302, 41.1570



38.6676, 45.6302, 52.1169



48.1855, 45.6302, 54.7669

# Square

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



38.6676, 45.6302, 52.1169



44.2117, 45.6302, 65.0231



48.4393, 45.6302, 47.3271



42.5393, 45.6302, 36.9688



# Rectangle

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



38.6676, 45.6302, 52.1169



40.9193, 45.6302, 62.9717



48.4393, 45.6302, 47.3271



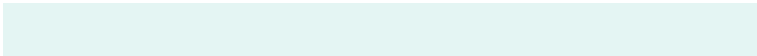
45.9170, 45.6302, 38.4100

# Sweetspot

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



38.6689, 45.6321, 52.1179



80.6772, 88.1017, 97.6480



36.0322, 44.6638, 34.3265



17.2470, 18.8937, 20.9701



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.



38.6689, 45.6321, 52.1179



67.2026, 81.2336, 93.4794



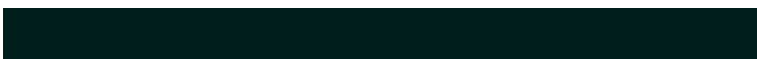
35.7876, 39.1885, 53.2570



9.7673, 10.7931, 12.0243



17.1766, 26.4609, 30.0565



0.6846, 1.0412, 1.2394



# Inverse Universe

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



36.7603, 33.7945, 33.8656



63.1500, 56.0896, 54.7170



39.1754, 39.1362, 33.0939



9.5670, 9.5511, 10.1088



14.2096, 7.3150, 1.1313

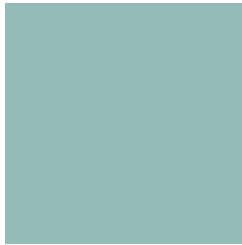


0.5695, 0.2917, 0.1121



# Previews

## White Background



This preview shows how the XYZ color 38.6676, 45.6302, 52.1169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

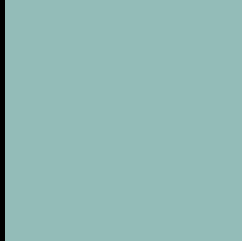
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.6676, 45.6302, 52.1169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

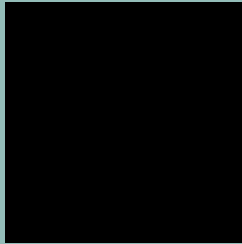
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

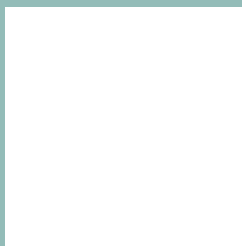
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.6676, 45.6302, 52.1169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.6676, 45.6302, 52.1169.



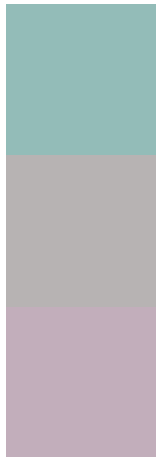
This preview shows how white text looks on a background with the XYZ color 38.6676, 45.6302,



# 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

38.6676, 45.6302, 52.1169

### Protanopia

43.7852, 45.5622, 49.1345

### Deuteranopia

46.3538, 45.3293, 53.3200



## Tritanopia

40.5619, 45.7720, 61.3406

# Trichromacy



## Original Color

38.6676, 45.6302, 52.1169

## Protanomaly

41.6460, 45.3381, 50.2722

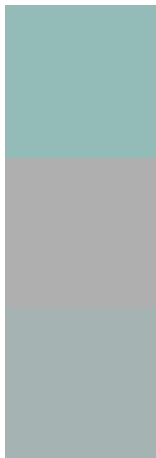
## Deuteranomaly

43.1145, 45.1325, 52.8934

## Tritanomaly

39.9024, 45.8253, 57.7810

# Monochromacy



## Original Color

38.6676, 45.6302, 52.1169

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

39.8742, 43.8562, 48.4830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6676, 45.6302, 52.1169 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(147, 188, 184)` looks like.

```
.text, #text, p{  
    color:rgb(147, 188, 184)  
}
```

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(147, 188, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 188, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6676, 45.6302, 52.1169 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(147, 188, 184) }
```



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

```
.border{ border-color:rgb(147, 188, 184) }
```

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

Here you see how a box with a 4 pixel rgb(147, 188, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 188, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 188, 184);  
box-shadow:4px 4px 4px 4px rgb(147, 188,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6676, 45.6302, 52.1169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 188, 184) }
```

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

```
.background{ background-color: rgb(147,  
188, 184) }
```

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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