

# Converting Colors

XYZ(38.4399, 42.9576, 49.1727)

Have a look what the booklet for  
XYZ(38.4399, 42.9576, 49.1727)  
contains.

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# Color

**XYZ(38.5585, 43.1663,  
48.9475)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9EB4B3
RGB	158, 180, 179
RGB Percent	62%, 71%, 70%
CMY	0.3804, 0.2941, 0.2980
CMYK	0.12, 0.00, 0.01, 0.29
HSL	177°, 13%, 66%
HSV	177°, 12%, 71%
XYZ	38.5585, 43.1663, 48.9475
YIQ	173.3080, -12.7910, -4.9750

# Conversions

## Conversions Part 2

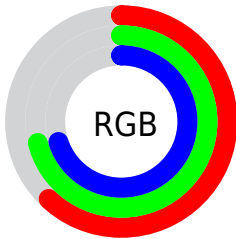
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 169, 180
Decimal	10400947
CIELab	71.67, -7.74, -2.06
CIELCh	72, 8.009, 194.895
Yxy	43.1663, 0.2951, 0.3303
Android (android.graphics.Color)	4288591027 (0xFF9EB4B3)
YUV	173.3080, 2.8062, -13.4251
Hunter-Lab	65.7011, -10.2192, 1.8195

# Details

The XYZ color **38.5585, 43.1663, 48.9475** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.3088, 36.6614, 37.9128**, and the grayscale version is **39.8695, 41.9458, 45.6790**.

A 20% lighter version of the original color is **72.4314, 80.1352, 90.2474**, and **17.2991, 19.7493, 22.6389** is the 20% darker color. If you saturate the color by 10%, you get **35.1915, 41.4413, 48.3590**, and if you desaturate by 10%, it is **42.4471, 45.1625, 49.5648**.

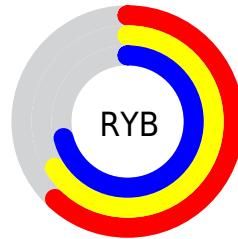
# Distribution



Red (62%)

Green (71%)

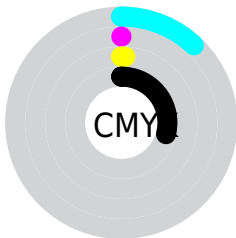
Blue (70%)



Red (62%)

Yellow (66%)

Blue (71%)

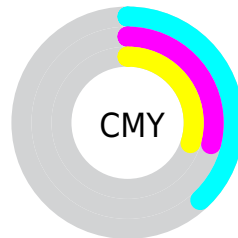


Cyan (12%)

Magenta (0%)

Yellow (1%)

Black (29%)



Cyan (38%)

Magenta (29%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5585, 43.1663, 48.9475 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 38.5585, 43.1663, 48.9475 by changing the saturation by 10% instead.



■ 38.5585, 43.1663,  
48.9475

■ 38.5585, 43.1663,  
48.9475

331.2493,  
359.2952, 399.1521

■ 26.5956, 30.0156,  
34.2125

■ 72.2618, 79.9618,  
89.9937

■ 17.4048, 19.8504,  
22.7782

■ 94.7329, 104.3753,  
117.1419

■ 10.6206, 12.2864,  
14.2261

121.4374,  
133.3120, 149.2650

■ 5.8777, 6.9390,  
8.1375

152.7408,  
167.1561, 186.7815

■ 2.8108, 3.4240,  
4.0940

189.0083,  
206.2921, 230.1099

■ 1.0545, 1.3569,  
1.6771

230.6053,

■ 0.0000, 0.1846,

251.1043, 279.6688

0.3450

277.8972,  
301.9773, 335.8767

0.0000, 0.0000,  
0.0000

38.5585, 43.1663,  
48.9475

38.5585, 43.1663,  
48.9475

35.1915, 41.4413,  
48.3590

42.4471, 45.1625,  
49.5648

32.3200, 39.9705,  
47.7953

46.8746, 47.4353,  
50.2090

29.9211, 38.7432,  
47.2563

51.8623, 49.9968,  
50.8820

27.9686, 37.7461,  
46.7408

57.4289, 52.8567,  
51.5847

26.4339, 36.9643,  
46.2474

63.5927, 56.0244,  
52.3180

■ 25.2851, 36.3813,  
45.7746

■ 66.2057, 57.3616,  
52.8876

■ 24.4856, 35.9783,  
45.3207

■ 66.2919, 57.3961,  
53.3417

■ 23.9918, 35.7329,  
44.8837

■ 66.3787, 57.4308,  
53.7983

■ 23.7493, 35.6150,  
44.5522

■ 66.4659, 57.4656,  
54.2576

# Harmonies

## Analogous

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



38.5609, 43.1663, 45.0806



38.5585, 43.1663, 48.9475



39.2079, 43.1663, 52.4737

# Triad

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



38.5585, 43.1663, 48.9475



42.8972, 43.1663, 52.4945



41.7118, 43.1663, 40.1504

# Complementary

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



38.5585, 43.1663, 48.9475



37.3088, 36.6614, 37.9128

# 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.



42.9042, 43.1663, 41.9223



38.5585, 43.1663, 48.9475



43.5987, 43.1663, 48.9747

# Square

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



38.5585, 43.1663, 48.9475



41.7025, 43.1663, 54.5969



43.6013, 43.1663, 45.1063



40.3613, 43.1663, 40.1440



# Rectangle

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



38.5585, 43.1663, 48.9475



39.9314, 43.1663, 54.0959



43.6013, 43.1663, 45.1063



42.1451, 43.1663, 40.5548

# Sweetspot

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



38.5597, 43.1681, 48.9485



75.5887, 81.1806, 89.6573



36.8120, 42.4941, 38.6105



16.2195, 17.4855, 19.3599



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



38.5597, 43.1681, 48.9485



67.9635, 77.2691, 88.4204



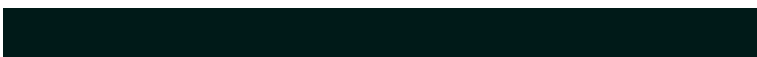
36.7335, 39.3528, 48.8419



8.7256, 9.6247, 10.8146



16.5817, 24.8586, 31.1296



0.5268, 0.7842, 1.0063



# Inverse Universe

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



37.3088, 36.6614, 37.9128



65.1911, 62.8476, 63.9616



38.9797, 40.1418, 38.0422



8.5115, 8.5113, 8.9262



13.1751, 6.7876, 0.8160



0.4197, 0.2156, 0.0529



# Previews

## White Background



This preview shows how the XYZ color 38.5585, 43.1663, 48.9475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

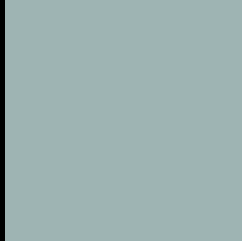
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5585, 43.1663, 48.9475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

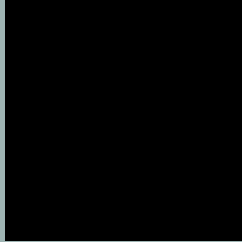
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

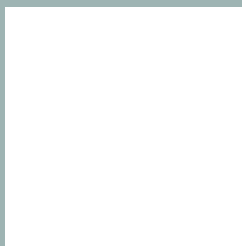
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.5585, 43.1663, 48.9475**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5585, 43.1663, 48.9475.



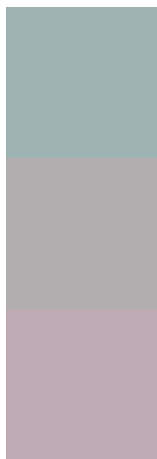
This preview shows how white text looks on a background with the XYZ color 38.5585, 43.1663,



# 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

38.5585, 43.1663, 48.9475

### Protanopia

41.3326, 42.8717, 47.1709

### Deuteranopia

43.9504, 43.0328, 49.7058



## Tritanopia

39.9320, 43.1201, 56.0875

# Trichromacy



## Original Color

38.5585, 43.1663, 48.9475

## Protanomaly

40.2557, 42.8829, 47.7505

## Deuteranomaly

41.7344, 43.0324, 49.2865

## Tritanomaly

39.3878, 43.1990, 53.2760

# Monochromacy



## Original Color

38.5585, 43.1663, 48.9475

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

39.4116, 42.4706, 46.6779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5585, 43.1663, 48.9475 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(158, 180, 179)` looks like.

```
.text, #text, p{  
    color:rgb(158, 180, 179)  
}
```

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(158, 180, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 180, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5585, 43.1663, 48.9475 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(158, 180, 179) }
```



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

```
.border{ border-color:rgb(158, 180, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 180, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 180, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 180, 179);  
box-shadow:4px 4px 4px 4px rgb(158, 180,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5585, 43.1663, 48.9475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 180, 179) }
```

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

```
.background{ background-color: rgb(158,  
180, 179) }
```

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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