

# Converting Colors

XYZ(43.1586, 50.8383, 55.1921)

Have a look what the booklet for  
XYZ(43.1586, 50.8383, 55.1921)  
contains.

<b>XYZ(43.1439, 50.8324, 55.1147)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.1439, 50.8324,  
55.1147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EC5BC
RGB	158, 197, 188
RGB Percent	62%, 77%, 74%
CMY	0.3804, 0.2274, 0.2627
CMYK	0.20, 0.00, 0.05, 0.23
HSL	166°, 25%, 70%
HSV	166°, 20%, 77%
XYZ	43.1439, 50.8324, 55.1147
YIQ	184.3130, -20.3550, -11.0670

# Conversions

## Conversions Part 2

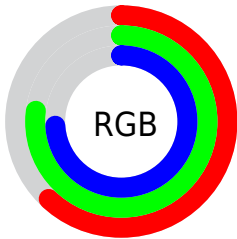
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 180, 197
Decimal	10405308
CIELab	76.58, -14.78, 0.22
CIELCh	77, 14.778, 179.130
Yxy	50.8324, 0.2894, 0.3409
Android (android.graphics.Color)	4288595388 (0xFF9EC5BC)
YUV	184.3130, 1.8177, -23.0765
Hunter-Lab	71.2968, -16.7537, 4.0748

# Details

The XYZ color **43.1439, 50.8324, 55.1147** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2296, 39.1154, 41.8856**, and the grayscale version is **45.7324, 48.1141, 52.3962**.

A 20% lighter version of the original color is **79.2115, 91.5614, 99.0862**, and **20.1395, 24.4584, 26.5811** is the 20% darker color. If you saturate the color by 10%, you get **39.0930, 48.8012, 52.4072**, and if you desaturate by 10%, it is **47.8344, 53.1942, 57.9349**.

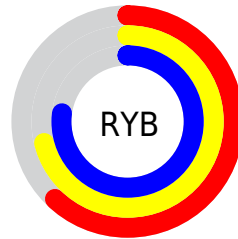
# Distribution



Red (62%)

Green (77%)

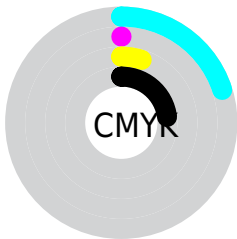
Blue (74%)



Red (62%)

Yellow (71%)

Blue (77%)

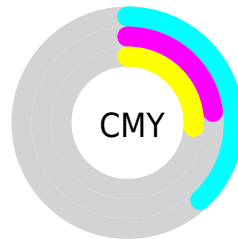


Cyan (20%)

Magenta (0%)

Yellow (5%)

Black (23%)



Cyan (38%)

Magenta (23%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1439, 50.8324, 55.1147 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 43.1439, 50.8324, 55.1147 by changing the saturation by 10% instead.





 43.1439, 50.8324,  
55.1147


 43.1439, 50.8324,  
55.1147

350.1147,  
389.9123, 423.6408

 30.1930, 36.0752,  
39.0943

 79.1823, 91.4070,  
99.1818

 20.1340, 24.4923,  
26.5247


 103.0006,  
117.9932, 128.0657

 12.6013, 15.6992,  
16.9873


131.1721,  
149.2912, 162.0744

 7.2297, 9.3116,  
10.0636

164.0621,  
185.6854, 201.6266

 3.6538, 4.9450,  
5.3350

202.0360,  
227.5603, 247.1408

 1.5082, 2.2150,  
2.3830

245.4592,

 0.3314, 0.7282,

275.3001, 299.0356

0.7771

294.6970,  
329.2893, 357.7294

■ 0.0000, 0.0000,  
0.0000

■ 43.1439, 50.8324,  
55.1147

■ 43.1439, 50.8324,  
55.1147

■ 39.0930, 48.8012,  
52.4072

■ 47.8344, 53.1942,  
57.9349

■ 35.6475, 47.0790,  
49.8069

■ 53.1878, 55.8947,  
60.8665

■ 32.7770, 45.6514,  
47.3126

■ 59.2316, 58.9492,  
63.9124

■ 30.4463, 44.5004,  
44.9220

■ 65.9904, 62.3705,  
67.0746

■ 28.6163, 43.6057,  
42.6325

■ 72.9322, 65.8843,  
70.3288

■ 27.2426, 42.9447,  
40.4413

■ 73.5096, 66.1153,  
73.3693

■ 26.2729, 42.4902,  
38.3451

■ 74.1032, 66.3527,  
76.4954

■ 25.6088, 42.1916,  
36.3384

■ 74.7132, 66.5967,  
79.7078

■ 25.5963, 42.1860,  
36.2986

■ 75.3398, 66.8474,  
83.0071

# Harmonies

## Analogous

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



43.8523, 50.8324, 47.8290



43.1439, 50.8324, 55.1147



43.7759, 50.8324, 63.1734

# Triad

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



43.1439, 50.8324, 55.1147



50.9750, 50.8324, 69.8914



51.1215, 50.8324, 43.1738

# Complementary

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



43.1439, 50.8324, 55.1147



42.2296, 39.1154, 41.8856

# 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.



53.1567, 50.8324, 48.1968



43.1439, 50.8324, 55.1147



53.0699, 50.8324, 63.6161

# Square

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



43.1439, 50.8324, 55.1147



48.2332, 50.8324, 72.1855



53.8829, 50.8324, 55.5816



48.3962, 50.8324, 41.3560



# Rectangle

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



43.1439, 50.8324, 55.1147



44.8868, 50.8324, 67.8053



53.8829, 50.8324, 55.5816



51.9128, 50.8324, 44.5180

# Sweetspot

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



43.1453, 50.8345, 55.1158



89.0800, 96.9874, 105.6799



42.0969, 50.6296, 39.9024



18.9335, 20.6921, 22.5458



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

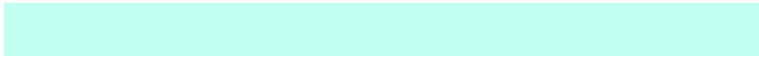


# Same Dimension

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



43.1453, 50.8345, 55.1158



73.8152, 89.3062, 96.4676



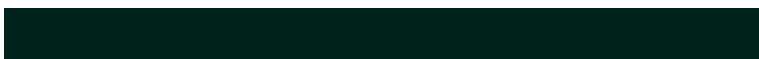
41.8657, 46.6733, 59.6280



10.8379, 12.0241, 13.0967



16.8684, 27.7597, 24.0492



0.8250, 1.3249, 1.2773



# Inverse Universe

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



42.2296, 39.1154, 41.8856



71.8634, 64.3050, 68.2514



43.2758, 42.4936, 38.2698



10.7325, 10.6764, 11.5746



15.4898, 7.9455, 2.5231

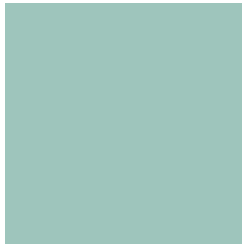


0.7623, 0.3878, 0.2713



# Previews

## White Background



This preview shows how the XYZ color 43.1439, 50.8324, 55.1147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

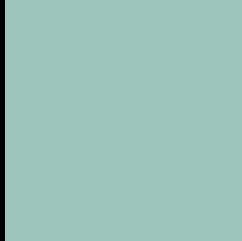
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1439, 50.8324, 55.1147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

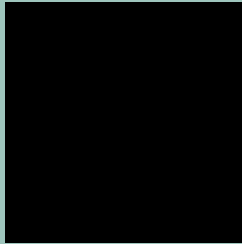
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

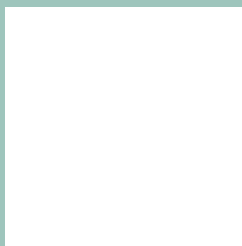
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.1439, 50.8324, 55.1147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1439, 50.8324, 55.1147.



This preview shows how white text looks on a background with the XYZ color 43.1439, 50.8324,



# 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

43.1439, 50.8324, 55.1147

### Protanopia

48.5228, 50.7228, 52.0328

### Deuteranopia

51.5143, 50.6077, 56.3434



## Tritanopia

45.7007, 50.8684, 67.7315

# Trichromacy



## Original Color

43.1439, 50.8324, 55.1147

## Protanomaly

46.2101, 50.4677, 53.2046

## Deuteranomaly

48.0165, 50.3755, 55.9079

## Tritanomaly

44.7557, 50.8243, 62.7095

# Monochromacy



## Original Color

43.1439, 50.8324, 55.1147

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

44.6337, 49.0119, 53.0067

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1439, 50.8324, 55.1147 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, 197, 188) looks like.

```
.text, #text, p{  
    color:rgb(158, 197, 188)  
}
```

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, 197, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 197, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1439, 50.8324, 55.1147 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, 197, 188) }
```



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

```
.border{ border-color:rgb(158, 197, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 197, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 197, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 197, 188);  
box-shadow:4px 4px 4px 4px rgb(158, 197,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1439, 50.8324, 55.1147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 197, 188) }
```

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

```
.background{ background-color: rgb(158,  
197, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor