

# Converting Colors

XYZ(55.9675, 73.3440, 49.3016)

Have a look what the booklet for  
XYZ(55.9675, 73.3440, 49.3016)  
contains.

<b>XYZ(55.9617, 73.3985, 49.2480)</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(55.9617, 73.3985,  
49.2480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1EEAA
RGB	177, 238, 170
RGB Percent	69%, 93%, 67%
CMY	0.3059, 0.0666, 0.3333
CMYK	0.26, 0.00, 0.29, 0.07
HSL	114°, 67%, 80%
HSV	114°, 29%, 93%
XYZ	55.9617, 73.3985, 49.2480
YIQ	212.0090, -14.5280, -34.0800

# Conversions

## Conversions Part 2

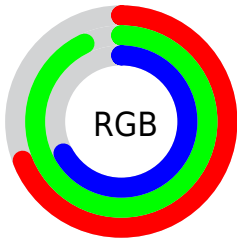
Format	Color
<b>RYB</b>	170, 238, 231
Decimal	11660970
CIELab	88.64, -31.95, 26.89
CIELCh	89, 41.759, 139.921
Yxy	73.3985, 0.3133, 0.4109
Android (android.graphics.Color)	4289851050 (0xFFB1EEAA)
YUV	212.0090, -20.7104, -30.7029
Hunter-Lab	85.6729, -33.3311, 25.8889

# Details

The XYZ color **55.9617, 73.3985, 49.2480** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.7655, 51.9136, 87.6051**, and the grayscale version is **62.7272, 65.9939, 71.8673**.

A 20% lighter version of the original color is **83.4192, 94.5034, 85.7958**, and **28.1072, 38.9512, 22.8666** is the 20% darker color. If you saturate the color by 10%, you get **49.4227, 70.2667, 38.2344**, and if you desaturate by 10%, it is **63.6731, 77.0919, 62.4471**.

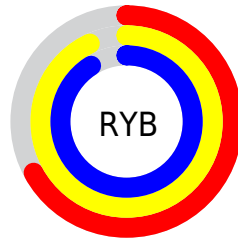
# Distribution



Red (69%)

Green (93%)

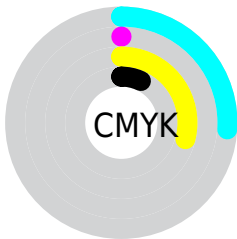
Blue (67%)



Red (67%)

Yellow (93%)

Blue (91%)

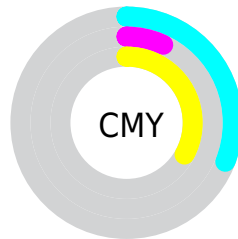


Cyan (26%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (31%)

Magenta (7%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9617, 73.3985, 49.2480 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 55.9617, 73.3985, 49.2480 by changing the saturation by 10% instead.





 55.9617, 73.3985,  
49.2480

 55.9617, 73.3985,  
49.2480


399.6245,  
472.3948, 400.3683

 40.4091, 54.3019,  
34.4493


 98.0887, 124.0428,  
90.4445

 28.0433, 38.8431,  
22.9588


125.3938,  
156.3592, 117.6793

 18.4989, 26.6377,  
14.3581


157.3472,  
193.8510, 149.8965

 11.4106, 17.3013,  
8.2285

194.3141,  
236.9026, 187.5148

 6.4131, 10.4495,  
4.1517

236.6599,  
285.8984, 230.9525

 3.1409, 5.6980,  
1.7089


284.7500,

 1.2287, 2.6623,


341.2228, 280.6284


0.3668


338.9498,  
403.2601, 336.9608


 0.1288, 0.9581,  
0.0000


 0.0000, 0.0000,  
0.0000


 55.9617, 73.3985,  
49.2480

 55.9617, 73.3985,  
49.2480


 49.4227, 70.2667,  
38.2344


 63.6731, 77.0919,  
62.4471


 43.9930, 67.6601,  
29.2840

 72.6044, 81.3626,  
77.9356

 39.6125, 65.5525,  
22.2696

 82.8076, 86.2373,  
95.8166

 36.2127, 63.9119,  
17.0484

 89.8660, 89.6320,  
107.1720

■ 33.7171, 62.7023,  
13.4576

■ 32.0377, 61.8825,  
11.3050

■ 31.0612, 61.4000,  
10.3119

■ 30.9646, 61.3524,  
10.2102

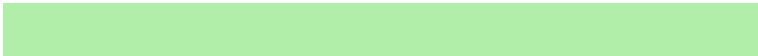
# Harmonies

## Analogous

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



63.3667, 73.3985, 38.2737



55.9617, 73.3985, 49.2480



52.3708, 73.3985, 70.5944

# Triad

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



55.9617, 73.3985, 49.2480



66.4265, 73.3985, 147.9566



89.6132, 73.3985, 62.4617

# Complementary

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



55.9617, 73.3985, 49.2480



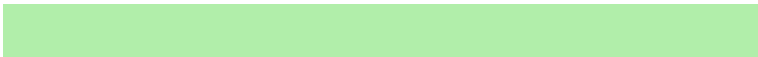
62.7655, 51.9136, 87.6051

# 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.



90.6338, 73.3985, 90.0295



55.9617, 73.3985, 49.2480



76.5760, 73.3985, 144.2722

# Square

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



55.9617, 73.3985, 49.2480



58.0158, 73.3985, 130.3466



85.6653, 73.3985, 121.2390

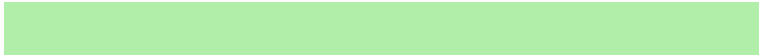


82.9978, 73.3985, 44.5319



# Rectangle

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



55.9617, 73.3985, 49.2480



52.3631, 73.3985, 89.8662



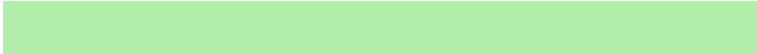
85.6653, 73.3985, 121.2390



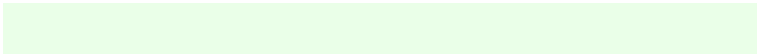
90.6448, 73.3985, 70.7333

# Sweetspot

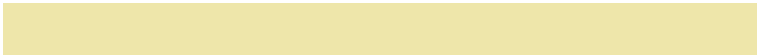
The Sweet Spot groups the original color and five complimentary colors.



55.9636, 73.4016, 49.2496



84.3997, 94.9113, 90.2525



70.8342, 77.7138, 49.2982



17.7211, 20.1505, 18.7188



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

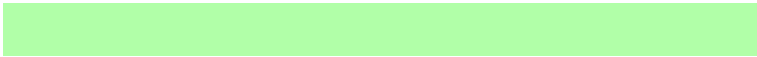


# Same Dimension

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



55.9636, 73.4016, 49.2496



61.0382, 83.7317, 50.1373



57.1258, 73.6870, 63.4785



15.7168, 17.7342, 16.7444



17.3240, 34.2524, 5.6983



1.4913, 2.8753, 0.4764



# Inverse Universe

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



62.7655, 51.9136, 87.6051



70.1411, 54.9429, 101.5159



61.5125, 51.6786, 68.9788



16.2846, 15.9440, 19.9408



24.0654, 11.4116, 46.0621

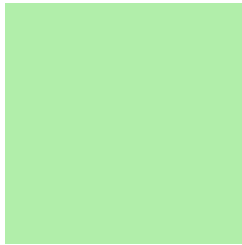


2.0478, 0.9729, 3.8341



# Previews

## White Background



This preview shows how the XYZ color 55.9617, 73.3985, 49.2480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

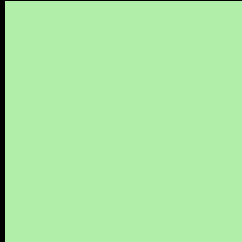
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9617, 73.3985, 49.2480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

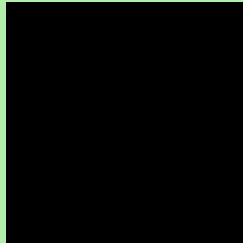
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.9617, 73.3985, 49.2480**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9617, 73.3985, 49.2480.



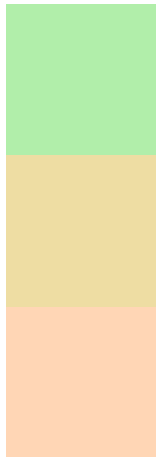
This preview shows how white text looks on a background with the XYZ color 55.9617, 73.3985,

49.2480.

# 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

55.9617, 73.3985, 49.2480

### Protanopia

67.7272, 72.5344, 45.0813

### Deuteranopia

73.6271, 72.6893, 53.8659



## Tritanopia

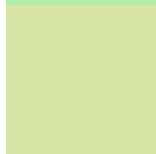
65.6132, 73.0878, 97.8379

# Trichromacy



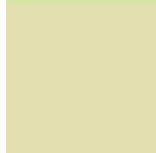
## Original Color

55.9617, 73.3985, 49.2480



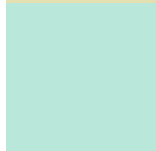
## Protanomaly

62.6709, 72.2903, 46.7267



## Deuteranomaly

66.0020, 72.2806, 52.0678



## Tritanomaly

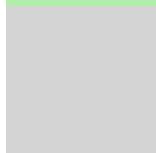
61.5191, 73.0895, 77.1949

# Monochromacy



## Original Color

55.9617, 73.3985, 49.2480



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

59.4877, 67.8862, 62.7913

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9617, 73.3985, 49.2480 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(177, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(177, 238, 170)  
}
```

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(177, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 238, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9617, 73.3985, 49.2480 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(177, 238, 170) }
```



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

```
.border{ border-color:rgb(177, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(177, 238,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9617, 73.3985, 49.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 238, 170) }
```

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

```
.background{ background-color: rgb(177,  
238, 170) }
```

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