

# Converting Colors

XYZ(43.8788, 61.3327, 49.0790)

Have a look what the booklet for  
XYZ(43.8788, 61.3327, 49.0790)  
contains.

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# Color

**XYZ(43.8713, 61.3150,  
49.0579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85E0AD
RGB	133, 224, 173
RGB Percent	52%, 88%, 68%
CMY	0.4784, 0.1216, 0.3216
CMYK	0.41, 0.00, 0.23, 0.12
HSL	146°, 59%, 70%
HSV	146°, 41%, 88%
XYZ	43.8713, 61.3150, 49.0579
YIQ	190.9770, -37.8650, -35.1530

# Conversions

## Conversions Part 2

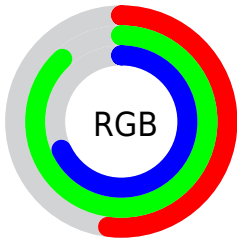
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 196, 224
Decimal	8773805
CIELab	82.55, -38.36, 16.58
CIELCh	83, 41.794, 156.620
Yxy	61.3150, 0.2844, 0.3975
Android (android.graphics.Color)	4286963885 (0xFF85E0AD)
YUV	190.9770, -8.8627, -50.8458
Hunter-Lab	78.3039, -37.0237, 17.6672

# Details

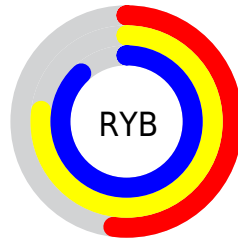
The XYZ color **43.8713, 61.3150, 49.0579** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.7817, 36.0843, 49.7961**, and the grayscale version is **49.5747, 52.1564, 56.7984**.

A 20% lighter version of the original color is **70.8891, 87.9960, 87.3774**, and **20.5957, 31.0054, 22.9883** is the 20% darker color. If you saturate the color by 10%, you get **39.5467, 59.2211, 42.8099**, and if you desaturate by 10%, it is **49.0675, 63.8484, 55.9453**.

# Distribution



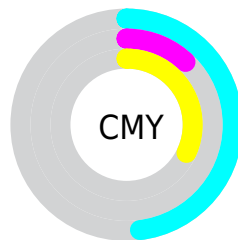
- Red (52%)
- Green (88%)
- Blue (68%)



- Red (52%)
- Yellow (77%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (23%)
- Black (12%)




- Cyan (48%)
- Magenta (12%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8713, 61.3150, 49.0579 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 43.8713, 61.3150, 49.0579 by changing the saturation by 10% instead.




 43.8713, 61.3150,  
49.0579


 43.8713, 61.3150,  
49.0579


353.0439,  
429.4280, 399.5992


 30.7668, 44.4794,  
34.2995


 80.2716, 106.7349,  
90.1593

 20.5723, 31.0476,  
22.8445


 104.2981,  
136.0880, 117.3394

 12.9224, 20.6351,  
14.2745


 132.6960,  
170.3825, 149.4971

 7.4518, 12.8575,  
8.1709

165.8307,  
210.0026, 187.0510

 3.7950, 7.3305,  
4.1152

204.0675,  
255.3328, 230.4197

 1.5868, 3.6696,  
1.6887

247.7717,

 0.3838, 1.4905,

306.7575, 280.0215

0.3530

297.3087,  
364.6611, 336.2752

■ 0.0000, 0.2821,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.8713, 61.3150,  
49.0579

■ 43.8713, 61.3150,  
49.0579

■ 39.5467, 59.2211,  
42.8099

■ 49.0675, 63.8484,  
55.9453

■ 36.0372, 57.5329,  
37.1784


■ 55.1774, 66.8376,  
63.4857

■ 33.2872, 56.2238,  
32.1449


■ 62.2463, 70.3073,  
71.6979


■ 31.2316, 55.2606,  
27.6886


■ 70.3150, 74.2782,  
80.5982

 29.7931, 54.6039,  
23.7871

 79.4217, 78.7697,  
90.2025

 28.8833, 54.2042,  
20.6100

 84.8910, 81.3713,  
100.3057

 85.9468, 81.7936,  
105.8656

# Harmonies

## Analogous

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



48.6072, 61.3150, 34.5131



43.8713, 61.3150, 49.0579



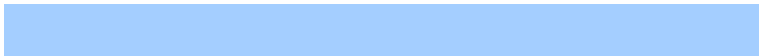
42.8062, 61.3150, 72.6040

# Triad

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



43.8713, 61.3150, 49.0579



60.2839, 61.3150, 128.6304



73.2037, 61.3150, 41.4751

# Complementary

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



43.8713, 61.3150, 49.0579



47.7817, 36.0843, 49.7961

# 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.



77.0901, 61.3150, 61.2414



43.8713, 61.3150, 49.0579



69.1534, 61.3150, 114.6230

# Square

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



43.8713, 61.3150, 49.0579



51.7149, 61.3150, 122.9612



75.5369, 61.3150, 88.2819



65.3743, 61.3150, 30.9823



# Rectangle

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



43.8713, 61.3150, 49.0579



44.2124, 61.3150, 91.3589



75.5369, 61.3150, 88.2819



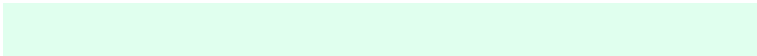
75.0492, 61.3150, 47.0304

# Sweetspot

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



43.8729, 61.3175, 49.0593



82.0352, 93.5955, 94.5157



50.7945, 65.2680, 32.1117



17.2812, 19.8969, 19.9126



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

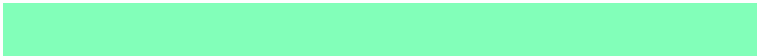


# Same Dimension

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



43.8729, 61.3175, 49.0593



53.7276, 79.7714, 58.4491



48.9766, 63.3590, 75.9349



13.7778, 15.4368, 15.8651



16.8671, 31.5717, 12.2891



1.2136, 2.2061, 1.0858



# Inverse Universe

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



47.7817, 36.0843, 49.7961



59.6637, 41.4123, 59.5401



43.7948, 34.4895, 28.8012



14.0273, 13.8285, 15.9139



20.1268, 10.1177, 12.5992

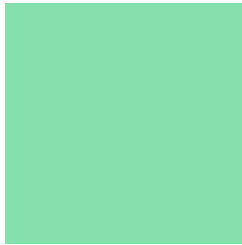


1.4399, 0.7192, 1.1092



# Previews

## White Background



This preview shows how the XYZ color 43.8713, 61.3150, 49.0579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

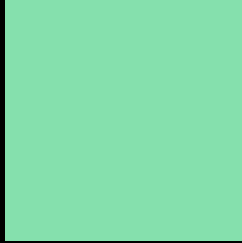
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8713, 61.3150, 49.0579 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 43.8713, 61.3150, 49.0579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8713, 61.3150, 49.0579.



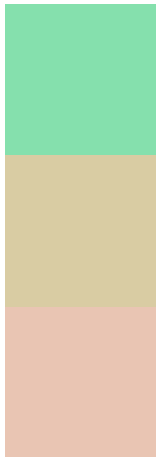
This preview shows how white text looks on a background with the XYZ color 43.8713, 61.3150,

49.0579.

# 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

43.8713, 61.3150, 49.0579

### Protanopia

56.8190, 60.5818, 43.3491

### Deuteranopia

61.7072, 60.5108, 51.0753



## Tritanopia

51.2965, 61.1980, 86.1996

# Trichromacy



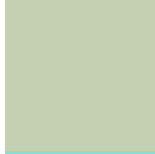
## Original Color

43.8713, 61.3150, 49.0579



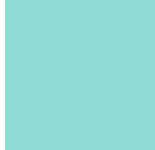
## Protanomaly

50.5190, 59.8177, 45.4425



## Deuteranomaly

53.2746, 59.6703, 50.3046



## Tritanomaly

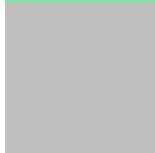
48.2447, 61.1170, 70.8820

# Monochromacy



## Original Color

43.8713, 61.3150, 49.0579



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

46.5852, 54.7186, 53.4538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8713, 61.3150, 49.0579 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(133, 224, 173)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 173)  
}
```

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(133, 224, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8713, 61.3150, 49.0579 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(133, 224, 173) }
```



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

```
.border{ border-color:rgb(133, 224, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 224, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 224, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 224, 173);  
box-shadow:4px 4px 4px 4px rgb(133, 224,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8713, 61.3150, 49.0579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 173) }
```

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

```
.background{ background-color: rgb(133,  
224, 173) }
```

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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