

# Converting Colors

$Yxy(61.9428, 0.2879, 0.3954)$

Have a look what the booklet for  
Yxy(61.9428, 0.2879, 0.3954)  
contains.

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# Color

**Yxy(61.9428, 0.2879, 0.3954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CE0AE
RGB	140, 224, 174
RGB Percent	55%, 88%, 68%
CMY	0.4512, 0.1215, 0.3177
CMYK	0.38, 0.00, 0.22, 0.12
HSL	144°, 58%, 71%
HSV	144°, 38%, 88%
XYZ	45.1020, 61.9428, 49.6138
YIQ	193.1840, -34.0140, -33.3580

# Conversions

## Conversions Part 2

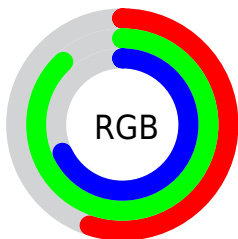
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 200, 224
Decimal	9232558
CIELab	82.88, -36.23, 16.59
CIELCh	83, 39.844, 155.400
Yxy	61.9428, 0.2879, 0.3954
Android (android.graphics.Color)	4287422638 (0xFF8CE0AE)
YUV	193.1840, -9.4577, -46.6424
Hunter-Lab	78.7037, -35.4403, 17.7170

# Details

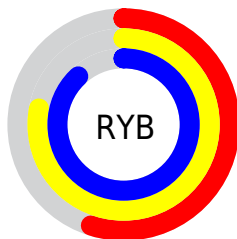
The Yxy color **61.9428, 0.2879, 0.3954** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.3058, 0.3499, 0.2713**, and the grayscale version is **53.5071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9689, 0.2913, 0.3559**, and **31.3642, 0.2813, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **59.7000, 0.2828, 0.4171**, and if you desaturate by 10%, it is **64.6384, 0.2939, 0.3752**.

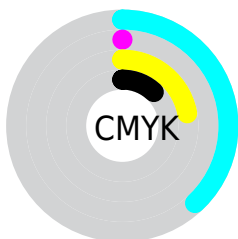
# Distribution



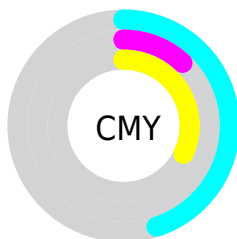
- Red (55%)
- Green (88%)
- Blue (68%)



- Red (55%)
- Yellow (78%)
- Blue (88%)



- Cyan (38%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)




- Cyan (45%)
- Magenta (12%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9428, 0.2879, 0.3954 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 Yxy color 61.9428, 0.2879, 0.3954 by changing the saturation by 10% instead.




 61.9428, 0.2879,  
0.3954


 61.9428, 0.2879,  
0.3954


431.7224, 0.3004,  
0.3623

 44.9865, 0.2848,  
0.4036

 107.6429, 0.2925,  
0.3834

 31.4468, 0.2807,  
0.4141

 137.1554, 0.2942,  
0.3789

 20.9393, 0.2753,  
0.4280


171.6221, 0.2956,  
0.3751

 13.0796, 0.2677,  
0.4471

211.4274, 0.2969,  
0.3718

 7.4834, 0.2565,  
0.4753

256.9557, 0.2979,  
0.3690

 3.7662, 0.2382,  
0.5203

308.5914, 0.2989,

 1.5437, 0.1957,

0.3665

0.6410

366.7188, 0.2997,  
0.3643

0.3192, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.9428, 0.2879,  
0.3954

61.9428, 0.2879,  
0.3954

59.7000, 0.2828,  
0.4171

64.6384, 0.2939,  
0.3752

57.8766, 0.2789,  
0.4400


67.8026, 0.3005,  
0.3568


56.4467, 0.2766,  
0.4634


71.4600, 0.3074,  
0.3403

55.3783, 0.2761,  
0.4866


75.6311, 0.3144,  
0.3255


 54.6339, 0.2775,  
0.5086

 80.3351, 0.3214,  
0.3125

 54.1633, 0.2806,  
0.5287

 81.7335, 0.3148,  
0.2999

 54.0697, 0.2815,  
0.5334

 81.7996, 0.3141,  
0.2990

# Harmonies

## Analogous

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



61.9428, 0.3377, 0.4198



61.9428, 0.2879, 0.3954



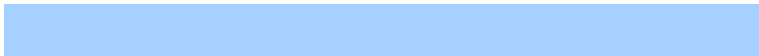
61.9428, 0.2469, 0.3483

# Triad

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



61.9428, 0.2879, 0.3954



61.9428, 0.2430, 0.2491



61.9428, 0.4102, 0.3462

# Complementary

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



61.9428, 0.2879, 0.3954



38.3058, 0.3499, 0.2713

# 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.



61.9428, 0.3808, 0.3068



61.9428, 0.2879, 0.3954



61.9428, 0.2818, 0.2531

# Square

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



61.9428, 0.2879, 0.3954



61.9428, 0.2229, 0.2642



61.9428, 0.3324, 0.2738



61.9428, 0.4103, 0.3850



# Rectangle

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



61.9428, 0.2879, 0.3954



61.9428, 0.2294, 0.3145



61.9428, 0.3324, 0.2738



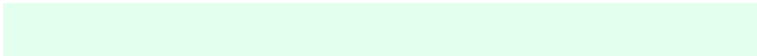
61.9428, 0.4033, 0.3327

# Sweetspot

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



61.9454, 0.2879, 0.3954



94.0339, 0.3050, 0.3459



66.2083, 0.3430, 0.4307



19.9822, 0.3040, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

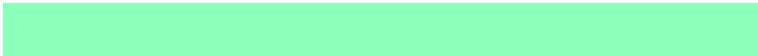


# Same Dimension

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



61.9454, 0.2879, 0.3954



80.6927, 0.2838, 0.4122



63.8276, 0.2649, 0.3395



15.4288, 0.3061, 0.3433



31.4891, 0.2807, 0.5306



2.2001, 0.2721, 0.4996



# Inverse Universe

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



38.3058, 0.3499, 0.2713



44.6699, 0.3608, 0.2595



36.7384, 0.3953, 0.3192



13.8368, 0.3199, 0.3151



10.2382, 0.4555, 0.2283

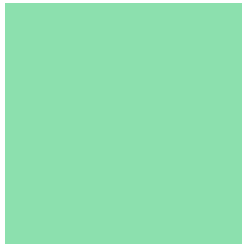


0.7273, 0.4291, 0.2138



# Previews

## White Background



This preview shows how the Yxy color 61.9428, 0.2879, 0.3954 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 Yxy color 61.9428, 0.2879, 0.3954 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](#).

**Yxy 61.9428, 0.2879, 0.3954**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9428, 0.2879, 0.3954.

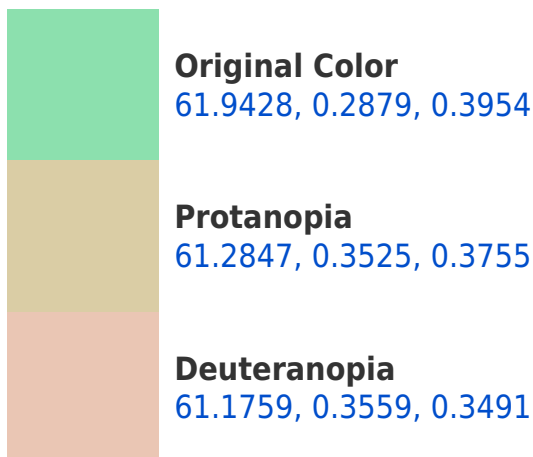


This preview shows how white text looks on a background with the Yxy color 61.9428, 0.2879, 0.3954.

# 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





## Tritanopia

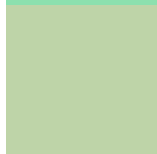
61.7672, 0.2615, 0.3082

# Trichromacy



## Original Color

61.9428, 0.2879, 0.3954



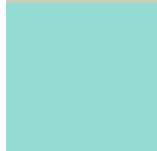
## Protanomaly

60.8613, 0.3266, 0.3833



## Deuteranomaly

60.1194, 0.3280, 0.3640



## Tritanomaly

61.7124, 0.2705, 0.3377

# Monochromacy



## Original Color

61.9428, 0.2879, 0.3954



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.7296, 0.3026, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9428, 0.2879, 0.3954 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(140, 224, 174)` looks like.

```
.text, #text, p{  
    color:rgb(140, 224, 174)  
}
```

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(140, 224, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 224, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9428, 0.2879, 0.3954 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(140, 224, 174) }
```

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

```
.border{ border-color:rgb(140, 224, 174) }
```

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

Here you see how a box with a 4 pixel rgb(140, 224, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 224, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 224, 174);  
box-shadow:4px 4px 4px 4px rgb(140, 224,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9428, 0.2879, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 224, 174) }
```

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

```
.background{ background-color: rgb(140,  
224, 174) }
```

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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