

# Converting Colors

$Y_{xy}(59.9758, 0.2672, 0.4125)$

Have a look what the booklet for  
Yxy(59.9758, 0.2672, 0.4125)  
contains.

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# Color

**Yxy(59.9895, 0.2672, 0.4125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE3A8
RGB	91, 227, 168
RGB Percent	36%, 89%, 66%
CMY	0.6428, 0.1098, 0.3411
CMYK	0.60, 0.00, 0.26, 0.11
HSL	154°, 71%, 62%
HSV	154°, 60%, 89%
XYZ	38.8587, 59.9895, 46.5809
YIQ	179.6100, -62.1170, -47.1810

# Conversions

## Conversions Part 2

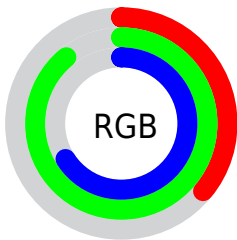
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 178, 227
Decimal	6022056
CIELab	81.83, -50.60, 17.98
CIELCh	82, 53.694, 160.440
Yxy	59.9895, 0.2672, 0.4125
Android (android.graphics.Color)	4284212136 (0xFF5BE3A8)
YUV	179.6100, -5.7237, -77.7110
Hunter-Lab	77.4529, -45.9879, 18.5594

# Details

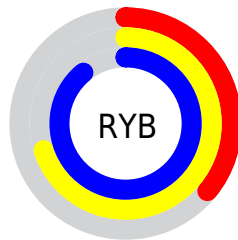
The Yxy color **59.9895, 0.2672, 0.4125** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **26.0330, 0.4147, 0.2637**, and the grayscale version is **45.4925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5231, 0.2718, 0.3660**, and **30.3868, 0.2547, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **58.6527, 0.2641, 0.4295**, and if you desaturate by 10%, it is **61.7079, 0.2721, 0.3960**.

# Distribution



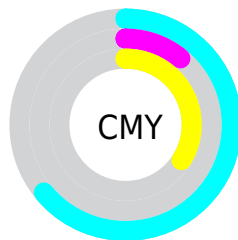
- Red (36%)
- Green (89%)
- Blue (66%)



- Red (36%)
- Yellow (70%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)




- Cyan (64%)
- Magenta (11%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9895, 0.2672, 0.4125 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 59.9895, 0.2672, 0.4125 by changing the saturation by 10% instead.





 59.9895, 0.2672,  
0.4125


 59.9895, 0.2672,  
0.4125

424.5591, 0.2900,  
0.3703

 43.4102, 0.2615,  
0.4231


 104.8144, 0.2755,  
0.3971

 30.2071, 0.2542,  
0.4368


 133.8288, 0.2786,  
0.3913

 19.9958, 0.2446,  
0.4551


 167.7570, 0.2812,  
0.3864

 12.3920, 0.2313,  
0.4805

 206.9835, 0.2835,  
0.3823

 7.0112, 0.2117,  
0.5184

251.8925, 0.2854,  
0.3787

 3.4691, 0.1807,  
0.5794

302.8685, 0.2872,

 1.3813, 0.0064,

0.3755

0.8851

360.2959, 0.2887,  
0.3728

■ 0.2029, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.9895, 0.2672,  
0.4125

■ 59.9895, 0.2672,  
0.4125

■ 58.6527, 0.2641,  
0.4295

■ 61.7079, 0.2721,  
0.3960

■ 57.6570, 0.2630,  
0.4466

■ 63.8296, 0.2785,  
0.3803

■ 56.9657, 0.2639,  
0.4635


■ 66.3833, 0.2861,  
0.3656

■ 56.5117, 0.2666,  
0.4797

■ 69.3929, 0.2945,  
0.3521

 56.5064, 0.2666,  
0.4799

 72.8805, 0.3035,  
0.3399

 76.8666, 0.3128,  
0.3289

 81.3707, 0.3222,  
0.3191

 82.9002, 0.3192,  
0.3096

 83.4154, 0.3140,  
0.3019

# Harmonies

## Analogous

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



59.9895, 0.3324, 0.4530



59.9895, 0.2672, 0.4125



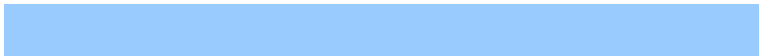
59.9895, 0.2176, 0.3419

# Triad

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



59.9895, 0.2672, 0.4125



59.9895, 0.2270, 0.2231



59.9895, 0.4483, 0.3573

# Complementary

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



59.9895, 0.2672, 0.4125



26.0330, 0.4147, 0.2637

# 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.



59.9895, 0.4147, 0.3063



59.9895, 0.2672, 0.4125



59.9895, 0.2809, 0.2329

# Square

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



59.9895, 0.2672, 0.4125



59.9895, 0.1974, 0.2366



59.9895, 0.3504, 0.2624



59.9895, 0.4396, 0.4080



# Rectangle

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



59.9895, 0.2672, 0.4125



59.9895, 0.1986, 0.2962



59.9895, 0.3504, 0.2624



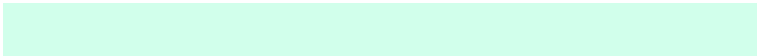
59.9895, 0.4416, 0.3400

# Sweetspot

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



59.9919, 0.2672, 0.4125



91.0926, 0.2961, 0.3499



62.3919, 0.3403, 0.5012



19.2316, 0.2935, 0.3536



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.



59.9919, 0.2672, 0.4125



75.9822, 0.2636, 0.4340



59.0661, 0.2374, 0.3199



16.2252, 0.3039, 0.3394



32.9802, 0.2660, 0.4775



2.4557, 0.2593, 0.4536



# Inverse Universe

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



26.0330, 0.4147, 0.2637



28.0547, 0.4493, 0.2567



25.8017, 0.4949, 0.3367



14.4714, 0.3225, 0.3188



10.0668, 0.5232, 0.2656

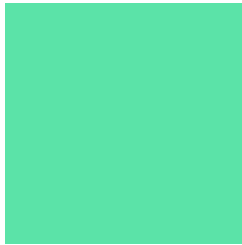


0.7623, 0.4864, 0.2453



# Previews

## White Background



This preview shows how the Yxy color 59.9895, 0.2672, 0.4125 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 59.9895, 0.2672, 0.4125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

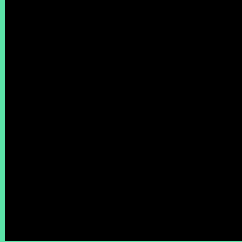
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.9895, 0.2672, 0.4125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9895, 0.2672, 0.4125.

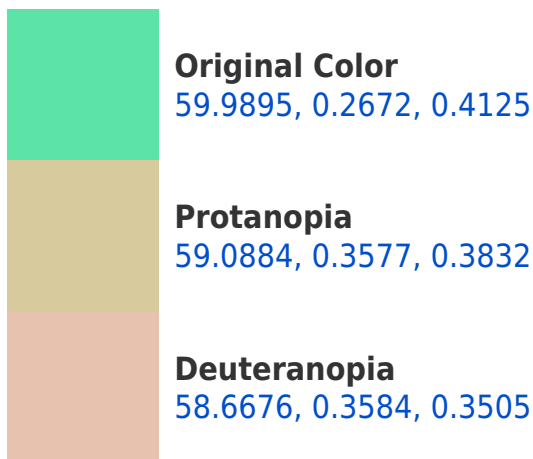


This preview shows how white text looks on a background with the Yxy color 59.9895, 0.2672, 0.4125.

# 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

59.7763, 0.2414, 0.3060

# Trichromacy



## Original Color

59.9895, 0.2672, 0.4125



## Protanomaly

57.6726, 0.3169, 0.3954



## Deuteranomaly

56.8245, 0.3167, 0.3723



## Tritanomaly

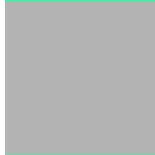
59.4802, 0.2505, 0.3421

# Monochromacy



## Original Color

59.9895, 0.2672, 0.4125



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

49.3630, 0.2902, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9895, 0.2672, 0.4125 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(91, 227, 168)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 168)  
}
```

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(91, 227, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9895, 0.2672, 0.4125 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(91, 227, 168) }
```

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

```
.border{ border-color:rgb(91, 227, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 227, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 168);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9895, 0.2672, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 168) }
```

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

```
.background{ background-color: rgb(91, 227,  
168) }
```

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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