

# Converting Colors

$Y_{xy}(42.0895, 0.2585, 0.3683)$

Have a look what the booklet for  
Yxy(42.0895, 0.2585, 0.3683)  
contains.

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# Color

**Yxy(42.0895, 0.2585, 0.3683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58BFA6
RGB	88, 191, 166
RGB Percent	35%, 75%, 65%
CMY	0.6548, 0.2510, 0.3490
CMYK	0.54, 0.00, 0.13, 0.25
HSL	165°, 45%, 55%
HSV	165°, 54%, 75%
XYZ	29.5415, 42.0895, 42.6495
YIQ	157.3530, -53.3630, -29.6110

# Conversions

## Conversions Part 2

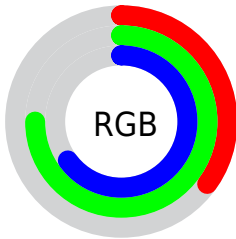
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 147, 191
Decimal	5816230
CIELab	70.93, -36.02, 3.55
CIElCh	71, 36.195, 174.373
Yxy	42.0895, 0.2585, 0.3683
Android (android.graphics.Color)	4284006310 (0xFF58BFA6)
YUV	157.3530, 4.2630, -60.8226
Hunter-Lab	64.8764, -32.2537, 6.4365

# Details

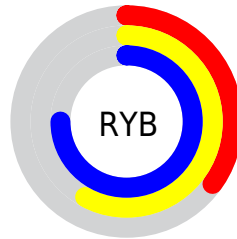
The Yxy color **42.0895, 0.2585, 0.3683** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.2544, 0.4296, 0.2958**, and the grayscale version is **33.8878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3750, 0.2685, 0.3610**, and **19.2447, 0.2427, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **41.1105, 0.2526, 0.3770**, and if you desaturate by 10%, it is **43.3221, 0.2661, 0.3599**.

# Distribution



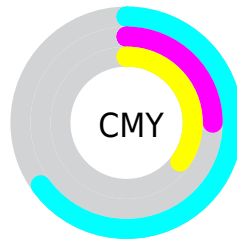
- Red (35%)
- Green (75%)
- Blue (65%)



- Red (35%)
- Yellow (58%)
- Blue (75%)



- Cyan (54%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)




- Cyan (65%)
- Magenta (25%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0895, 0.2585, 0.3683 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 42.0895, 0.2585, 0.3683 by changing the saturation by 10% instead.





 42.0895, 0.2585,  
0.3683


 42.0895, 0.2585,  
0.3683


354.8538, 0.2861,  
0.3480

 29.1714, 0.2515,  
0.3736


 78.3351, 0.2686,  
0.3608


 19.2105, 0.2424,  
0.3804


 102.4313, 0.2724,  
0.3580

 11.8225, 0.2301,  
0.3898


 131.0223, 0.2756,  
0.3557

 6.6229, 0.2129,  
0.4033

 164.4926, 0.2783,  
0.3537

 3.2274, 0.1868,  
0.4243

203.2265, 0.2807,  
0.3520

 1.2516, 0.1044,  
0.4821

247.6084, 0.2827,

 0.1032, 0.0000,

0.3505

1.0000

298.0227, 0.2845,  
0.3492

0.0000, 0.0000,  
0.0000

42.0895, 0.2585,  
0.3683

42.0895, 0.2585,  
0.3683

41.1105, 0.2526,  
0.3770

43.3221, 0.2661,  
0.3599

40.3605, 0.2487,  
0.3860

44.8209, 0.2751,  
0.3519

39.8188, 0.2466,  
0.3950

46.6033, 0.2853,  
0.3445

39.4581, 0.2465,  
0.4039

48.6839, 0.2964,  
0.3376

39.2946, 0.2470,  
0.4094

51.0764, 0.3080,  
0.3313

■ 53.7935, 0.3201,  
0.3256

■ 56.8472, 0.3322,  
0.3206

■ 60.2490, 0.3444,  
0.3161

■ 63.0616, 0.3522,  
0.3119

# Harmonies

## Analogous

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



42.0895, 0.3055, 0.4107



42.0895, 0.2585, 0.3683



42.0895, 0.2275, 0.3156

# Triad

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



42.0895, 0.2585, 0.3683



42.0895, 0.2642, 0.2472



42.0895, 0.4171, 0.3724

# Complementary

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



42.0895, 0.2585, 0.3683



19.2544, 0.4296, 0.2958

# 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.



42.0895, 0.4055, 0.3313



42.0895, 0.2585, 0.3683



42.0895, 0.3131, 0.2626

# Square

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



42.0895, 0.2585, 0.3683



42.0895, 0.2309, 0.2499



42.0895, 0.3660, 0.2924



42.0895, 0.3982, 0.4073



# Rectangle

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



42.0895, 0.2585, 0.3683



42.0895, 0.2187, 0.2852



42.0895, 0.3660, 0.2924



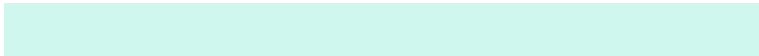
42.0895, 0.4168, 0.3589

# Sweetspot

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



42.0912, 0.2585, 0.3683



86.2711, 0.2937, 0.3391



41.5287, 0.3226, 0.4906



18.7698, 0.2914, 0.3405



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



42.0912, 0.2585, 0.3683



73.3121, 0.2516, 0.3789



32.8415, 0.2363, 0.2881



10.7689, 0.3016, 0.3346



25.8375, 0.2467, 0.4081



1.0218, 0.2408, 0.3868



# Inverse Universe

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



19.2544, 0.4296, 0.2958



28.0809, 0.4735, 0.2916



23.7658, 0.4478, 0.3640



9.5733, 0.3251, 0.3235



7.4216, 0.5925, 0.3038

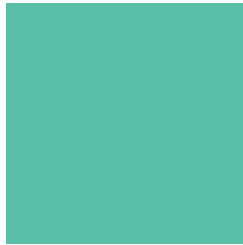


0.3014, 0.5230, 0.2655



# Previews

## White Background



This preview shows how the Yxy color 42.0895, 0.2585, 0.3683 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 42.0895, 0.2585, 0.3683 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

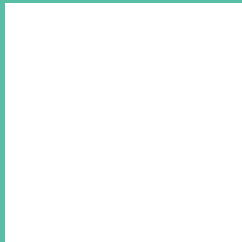
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.0895, 0.2585, 0.3683**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0895, 0.2585, 0.3683.

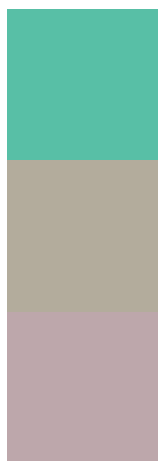


This preview shows how white text looks on a background with the Yxy color 42.0895, 0.2585, 0.3683.

# 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

42.0895, 0.2585, 0.3683

### Protanopia

41.4891, 0.3328, 0.3509

### Deuteranopia

41.3965, 0.3297, 0.3238



## Tritanopia

42.0442, 0.2435, 0.3069

# Trichromacy



**Original Color**

42.0895, 0.2585, 0.3683

**Protanomaly**

40.8893, 0.2996, 0.3570

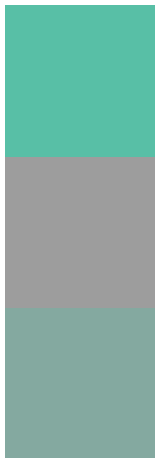
**Deuteranomaly**

40.5906, 0.2977, 0.3390

**Tritanomaly**

42.0841, 0.2491, 0.3288

# Monochromacy



**Original Color**

42.0895, 0.2585, 0.3683

**Achromatopsia**

33.7164, 0.3127, 0.3290

**Achromatomaly**

35.8195, 0.2877, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0895, 0.2585, 0.3683 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(88, 191, 166)` looks like.

```
.text, #text, p{  
    color:rgb(88, 191, 166)  
}
```

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(88, 191, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 191, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0895, 0.2585, 0.3683 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(88, 191, 166) }
```

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

```
.border{ border-color:rgb(88, 191, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 191, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 191, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 191, 166);  
box-shadow:4px 4px 4px 4px rgb(88, 191,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0895, 0.2585, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 191, 166) }
```

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

```
.background{ background-color: rgb(88, 191,  
166) }
```

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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