

# Converting Colors

$Y_{xy}(41.7082, 0.2598, 0.3669)$

Have a look what the booklet for  
Yxy(41.7082, 0.2598, 0.3669)  
contains.

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# Color

**Yxy(41.8042, 0.2597, 0.3667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BBEA6
RGB	91, 190, 166
RGB Percent	36%, 75%, 65%
CMY	0.6434, 0.2549, 0.3490
CMYK	0.52, 0.00, 0.13, 0.25
HSL	165°, 43%, 55%
HSV	165°, 52%, 75%
XYZ	29.6061, 41.8042, 42.5908
YIQ	157.6630, -51.3000, -28.4520

# Conversions

## Conversions Part 2

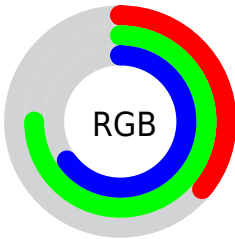
Format	Color
<a href="#">RYB</a>	<a href="#">91, 147, 190</a>
Decimal	<a href="#">6012582</a>
CIELab	<a href="#">70.74, -34.92, 3.28</a>
CIELCh	<a href="#">71, 35.078, 174.640</a>
Yxy	<a href="#">41.8042, 0.2597, 0.3667</a>
Android (android.graphics.Color)	<a href="#">4284202662 (0xFF5BBEA6)</a>
YUV	<a href="#">157.6630, 4.1101, -58.4635</a>
Hunter-Lab	<a href="#">64.6562, -31.4131, 6.2034</a>

# Details

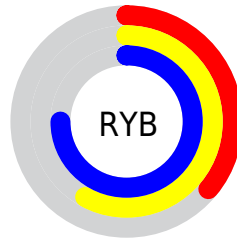
The Yxy color **41.8042, 0.2597, 0.3667** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.6544, 0.4237, 0.2968**, and the grayscale version is **34.0229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0379, 0.2698, 0.3597**, and **19.0428, 0.2441, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **40.7944, 0.2535, 0.3754**, and if you desaturate by 10%, it is **43.0678, 0.2675, 0.3584**.

# Distribution



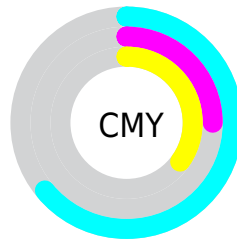
- Red (36%)
- Green (75%)
- Blue (65%)



- Red (36%)
- Yellow (58%)
- Blue (75%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)




- Cyan (64%)
- Magenta (25%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8042, 0.2597, 0.3667 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 41.8042, 0.2597, 0.3667 by changing the saturation by 10% instead.





 41.8042, 0.2597,  
0.3667

 41.8042, 0.2597,  
0.3667


353.6706, 0.2867,  
0.3473


 28.9480, 0.2528,  
0.3718


 77.9032, 0.2696,  
0.3595


 19.0415, 0.2439,  
0.3784


 101.9148, 0.2733,  
0.3568

 11.7003, 0.2319,  
0.3873


 130.4137, 0.2764,  
0.3546

 6.5399, 0.2149,  
0.4003

 163.7842, 0.2791,  
0.3527

 3.1761, 0.1892,  
0.4204

202.4107, 0.2814,  
0.3510

 1.2243, 0.1078,  
0.4764

246.6777, 0.2834,

 0.0814, 0.0000,

0.3496

1.0000

296.9696, 0.2851,  
0.3484

0.0000, 0.0000,  
0.0000

41.8042, 0.2597,  
0.3667

41.8042, 0.2597,  
0.3667

40.7944, 0.2535,  
0.3754

43.0678, 0.2675,  
0.3584

40.0144, 0.2492,  
0.3843

44.5970, 0.2768,  
0.3505

39.4443, 0.2468,  
0.3932

46.4091, 0.2872,  
0.3432

39.0583, 0.2464,  
0.4022

48.5182, 0.2984,  
0.3364

38.8451, 0.2470,  
0.4092

50.9376, 0.3101,  
0.3302

■ 53.6797, 0.3222,  
0.3247

■ 56.7564, 0.3344,  
0.3198

■ 60.1787, 0.3465,  
0.3154

■ 62.6178, 0.3527,  
0.3112

# Harmonies

## Analogous

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



41.8042, 0.3054, 0.4079



41.8042, 0.2597, 0.3667



41.8042, 0.2296, 0.3157

# Triad

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



41.8042, 0.2597, 0.3667



41.8042, 0.2659, 0.2493



41.8042, 0.4141, 0.3718

# Complementary

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



41.8042, 0.2597, 0.3667



19.6544, 0.4237, 0.2968

# 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.



41.8042, 0.4030, 0.3317



41.8042, 0.2597, 0.3667



41.8042, 0.3136, 0.2645

# Square

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



41.8042, 0.2597, 0.3667



41.8042, 0.2332, 0.2519



41.8042, 0.3650, 0.2937



41.8042, 0.3957, 0.4055



# Rectangle

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



41.8042, 0.2597, 0.3667



41.8042, 0.2211, 0.2863



41.8042, 0.3650, 0.2937



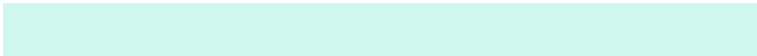
41.8042, 0.4138, 0.3587

# Sweetspot

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



41.8059, 0.2597, 0.3667



86.2722, 0.2937, 0.3391



41.2782, 0.3226, 0.4848



18.7701, 0.2913, 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.



41.8059, 0.2597, 0.3667



73.6201, 0.2526, 0.3770



32.9356, 0.2384, 0.2897



10.7690, 0.3016, 0.3346



25.8393, 0.2467, 0.4080



1.0218, 0.2408, 0.3867



# Inverse Universe

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



19.6544, 0.4237, 0.2968



29.0011, 0.4659, 0.2921



24.1240, 0.4414, 0.3630



9.5732, 0.3251, 0.3235



7.4211, 0.5927, 0.3038

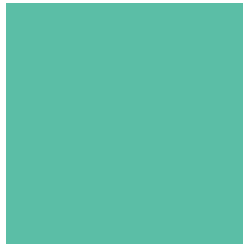


0.3014, 0.5232, 0.2656



# Previews

## White Background



This preview shows how the Yxy color 41.8042, 0.2597, 0.3667 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 41.8042, 0.2597, 0.3667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

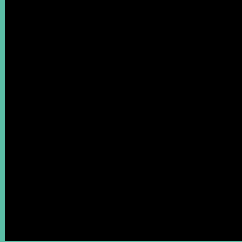
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

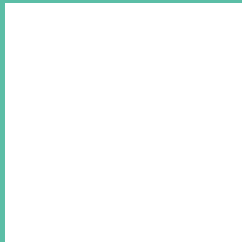
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.8042, 0.2597, 0.3667**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.8042, 0.2597, 0.3667.

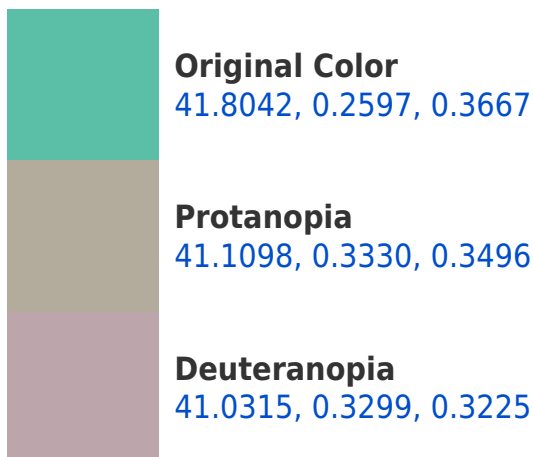


This preview shows how white text looks on a background with the Yxy color 41.8042, 0.2597, 0.3667.

# 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

41.6928, 0.2447, 0.3068

# Trichromacy



**Original Color**

41.8042, 0.2597, 0.3667

**Protanomaly**

40.5819, 0.3004, 0.3555

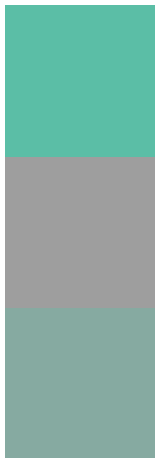
**Deuteranomaly**

40.2968, 0.2985, 0.3376

**Tritanomaly**

41.7682, 0.2499, 0.3273

# Monochromacy



**Original Color**

41.8042, 0.2597, 0.3667

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

36.3910, 0.2886, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8042, 0.2597, 0.3667 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, 190, 166)` looks like.

```
.text, #text, p{  
    color:rgb(91, 190, 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(91, 190, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 190, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8042, 0.2597, 0.3667 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, 190, 166) }
```

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

```
.border{ border-color:rgb(91, 190, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 190, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 190, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 190, 166);  
box-shadow:4px 4px 4px 4px rgb(91, 190,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8042, 0.2597, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 190, 166) }
```

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

```
.background{ background-color: rgb(91, 190,  
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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