

# Converting Colors

$Yxy(41.7248, 0.2630, 0.3711)$

Have a look what the booklet for  
Yxy(41.7248, 0.2630, 0.3711)  
contains.

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# Color

**Yxy(41.8509, 0.2631, 0.3715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EBEA3
RGB	94, 190, 163
RGB Percent	37%, 75%, 64%
CMY	0.6314, 0.2549, 0.3608
CMYK	0.51, 0.00, 0.14, 0.25
HSL	163°, 42%, 56%
HSV	163°, 51%, 75%
XYZ	29.6392, 41.8509, 41.1637
YIQ	158.2180, -48.5490, -28.7490

# Conversions

## Conversions Part 2

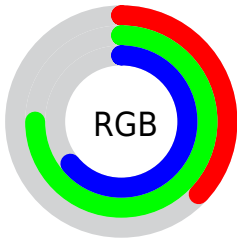
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 150, 190
Decimal	6209187
CIELab	70.77, -34.94, 4.98
CIElCh	71, 35.291, 171.880
Yxy	41.8509, 0.2631, 0.3715
Android (android.graphics.Color)	4284399267 (0xFF5EBEA3)
YUV	158.2180, 2.3575, -56.3192
Hunter-Lab	64.6923, -31.4304, 7.5583

# Details

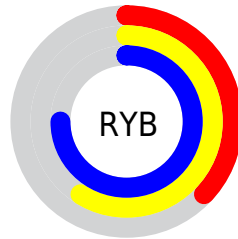
The Yxy color **41.8509, 0.2631, 0.3715** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.3324, 0.4127, 0.2925**, and the grayscale version is **34.3014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0675, 0.2722, 0.3633**, and **19.0631, 0.2483, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **40.7812, 0.2570, 0.3817**, and if you desaturate by 10%, it is **43.1792, 0.2708, 0.3618**.

# Distribution



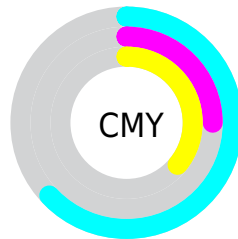
- Red (37%)
- Green (75%)
- Blue (64%)



- Red (37%)
- Yellow (59%)
- Blue (75%)



- Cyan (51%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)




- Cyan (63%)
- Magenta (25%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8509, 0.2631, 0.3715 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 41.8509, 0.2631, 0.3715 by changing the saturation by 10% instead.





 41.8509, 0.2631,  
0.3715


 41.8509, 0.2631,  
0.3715

353.8645, 0.2885,  
0.3494


 28.9846, 0.2566,  
0.3773


 77.9739, 0.2725,  
0.3633

 19.0691, 0.2481,  
0.3849


 101.9994, 0.2759,  
0.3602

 11.7202, 0.2367,  
0.3953


 130.5134, 0.2789,  
0.3577

 6.5535, 0.2204,  
0.4105

 163.9002, 0.2813,  
0.3556

 3.1845, 0.1956,  
0.4344

202.5444, 0.2835,  
0.3537

 1.2288, 0.1140,  
0.4998

246.8302, 0.2854,

 0.0850, 0.0000,

0.3521

1.0000

297.1421, 0.2870,  
0.3507

0.0000, 0.0000,  
0.0000

41.8509, 0.2631,  
0.3715

41.8509, 0.2631,  
0.3715

40.7812, 0.2570,  
0.3817

43.1792, 0.2708,  
0.3618

39.9466, 0.2526,  
0.3921

44.7778, 0.2799,  
0.3527

39.3276, 0.2503,  
0.4027

46.6637, 0.2900,  
0.3442

38.8991, 0.2499,  
0.4133

48.8510, 0.3008,  
0.3364

38.6225, 0.2509,  
0.4232

51.3528, 0.3121,  
0.3294

■ 54.1814, 0.3236,  
0.3230

■ 57.3487, 0.3352,  
0.3174

■ 60.8657, 0.3466,  
0.3124

■ 62.7973, 0.3497,  
0.3074

# Harmonies

## Analogous

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



41.8509, 0.3099, 0.4110



41.8509, 0.2631, 0.3715



41.8509, 0.2311, 0.3201

# Triad

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



41.8509, 0.2631, 0.3715



41.8509, 0.2619, 0.2484



41.8509, 0.4150, 0.3684

# Complementary

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



41.8509, 0.2631, 0.3715



20.3324, 0.4127, 0.2925

# 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.



41.8509, 0.4010, 0.3280



41.8509, 0.2631, 0.3715



41.8509, 0.3088, 0.2621

# Square

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



41.8509, 0.2631, 0.3715



41.8509, 0.2307, 0.2527



41.8509, 0.3608, 0.2904



41.8509, 0.3989, 0.4033



# Rectangle

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



41.8509, 0.2631, 0.3715



41.8509, 0.2213, 0.2897



41.8509, 0.3608, 0.2904



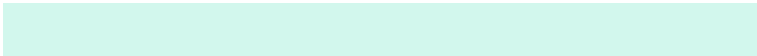
41.8509, 0.4137, 0.3551

# Sweetspot

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



41.8526, 0.2631, 0.3715



86.5831, 0.2956, 0.3400



41.7162, 0.3250, 0.4783



18.8291, 0.2933, 0.3417



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.



41.8526, 0.2631, 0.3715



73.6512, 0.2562, 0.3832



34.5485, 0.2413, 0.2963



10.7625, 0.3021, 0.3355



25.6942, 0.2505, 0.4218



1.0171, 0.2436, 0.3968



# Inverse Universe

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



20.3324, 0.4127, 0.2925



30.1505, 0.4501, 0.2865



23.9707, 0.4383, 0.3578



9.5793, 0.3245, 0.3226



7.4647, 0.5799, 0.2968

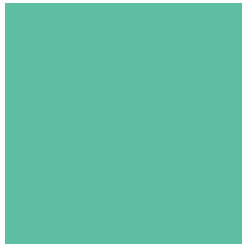


0.3040, 0.5093, 0.2580



# Previews

## White Background



This preview shows how the Yxy color 41.8509, 0.2631, 0.3715 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 41.8509, 0.2631, 0.3715 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

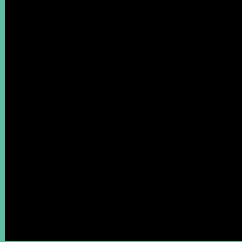
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8509, 0.2631, 0.3715**

## Background



This preview shows how black text looks on a background with the Yxy color 41.8509, 0.2631, 0.3715.



This preview shows how white text looks on a background with the Yxy color 41.8509, 0.2631, 0.3715.

# 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

41.8509, 0.2631, 0.3715

### Protanopia

41.5083, 0.3364, 0.3550

### Deuteranopia

41.0467, 0.3335, 0.3264



## Tritanopia

41.8713, 0.2463, 0.3069

# Trichromacy



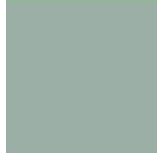
## Original Color

41.8509, 0.2631, 0.3715



## Protanomaly

41.0641, 0.3044, 0.3613



## Deuteranomaly

40.3817, 0.3025, 0.3419



## Tritanomaly

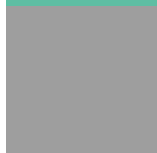
41.8952, 0.2520, 0.3288

# Monochromacy



## Original Color

41.8509, 0.2631, 0.3715



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

36.4384, 0.2902, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8509, 0.2631, 0.3715 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(94, 190, 163)` looks like.

```
.text, #text, p{  
    color:rgb(94, 190, 163)  
}
```

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(94, 190, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 190, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8509, 0.2631, 0.3715 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(94, 190, 163) }
```

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

```
.border{ border-color:rgb(94, 190, 163) }
```

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

Here you see how a box with a 4 pixel rgb(94, 190, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 190, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 190, 163);  
box-shadow:4px 4px 4px 4px rgb(94, 190,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8509, 0.2631, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 190, 163) }
```

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

```
.background{ background-color: rgb(94, 190,  
163) }
```

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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