

# Converting Colors

$Yxy(41.5142, 0.2678, 0.3132)$

Have a look what the booklet for  
Yxy(41.5142, 0.2678, 0.3132)  
contains.

<b>Yxy(41.3906, 0.2678, 0.3131)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(41.3906, 0.2678, 0.3131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85B4BF
RGB	133, 180, 191
RGB Percent	52%, 71%, 75%
CMY	0.4782, 0.2941, 0.2510
CMYK	0.30, 0.06, 0.00, 0.25
HSL	191°, 31%, 64%
HSV	191°, 30%, 75%
XYZ	35.4021, 41.3906, 55.4034
YIQ	167.2010, -31.5430, -6.5430

# Conversions

## Conversions Part 2

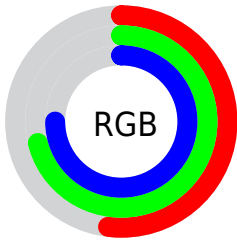
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">133, 159, 191</a>
Decimal	<a href="#">8762559</a>
CIELab	<a href="#">70.45, -12.87, -10.62</a>
CIELCh	<a href="#">70, 16.689, 219.519</a>
Yxy	<a href="#">41.3906, 0.2678, 0.3131</a>
Android (android.graphics.Color)	<a href="#">4286952639 (0xFF85B4BF)</a>
YUV	<a href="#">167.2010, 11.7329, -29.9943</a>
Hunter-Lab	<a href="#">64.3355, -14.3634, -6.0235</a>

# Details

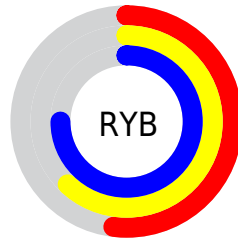
The Yxy color **41.3906, 0.2678, 0.3131** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.7273, 0.3755, 0.3442**, and the grayscale version is **38.7048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3977, 0.2764, 0.3168**, and **18.7631, 0.2545, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **38.5323, 0.2545, 0.3070**, and if you desaturate by 10%, it is **44.5731, 0.2821, 0.3188**.

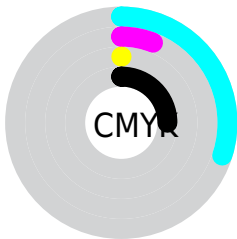
# Distribution



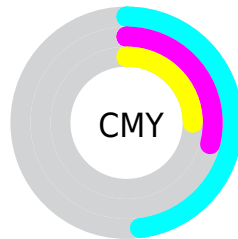
- Red (52%)
- Green (71%)
- Blue (75%)



- Red (52%)
- Yellow (62%)
- Blue (75%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)




- Cyan (48%)
- Magenta (29%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3906, 0.2678, 0.3131 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 41.3906, 0.2678, 0.3131 by changing the saturation by 10% instead.





 41.3906, 0.2678,  
0.3131


 41.3906, 0.2678,  
0.3131


351.9505, 0.2904,  
0.3216


 28.6244, 0.2621,  
0.3108


 77.2765, 0.2760,  
0.3163

 18.7969, 0.2549,  
0.3078


 101.1650, 0.2791,  
0.3174

 11.5236, 0.2452,  
0.3037


 129.5297, 0.2817,  
0.3184

 6.4202, 0.2317,  
0.2976

162.7550, 0.2839,  
0.3192

 3.1022, 0.2116,  
0.2878

201.2254, 0.2859,  
0.3199

 1.1853, 0.1789,  
0.2701

245.3251, 0.2876,

 0.0497, 0.0000,

0.3206

0.0587

295.4387, 0.2890,  
0.3211

0.0000, 0.0000,  
0.0000

41.3906, 0.2678,  
0.3131

41.3906, 0.2678,  
0.3131

38.5323, 0.2545,  
0.3070

44.5731, 0.2821,  
0.3188

35.9776, 0.2423,  
0.3006

48.0893, 0.2970,  
0.3240

33.7112, 0.2317,  
0.2940

51.9543, 0.3122,  
0.3288

31.7139, 0.2229,  
0.2872

56.1808, 0.3275,  
0.3332

29.9644, 0.2160,  
0.2803

60.7809, 0.3426,  
0.3371

■ 28.4370, 0.2109,  
0.2735

■ 65.7660, 0.3575,  
0.3405

■ 27.1238, 0.2075,  
0.2669

■ 68.8521, 0.3625,  
0.3440

■ 70.6092, 0.3616,  
0.3477

■ 72.4067, 0.3607,  
0.3514

# Harmonies

## Analogous

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



41.3906, 0.2785, 0.3355



41.3906, 0.2678, 0.3131



41.3906, 0.2686, 0.2963

# Triad

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



41.3906, 0.2678, 0.3131



41.3906, 0.3261, 0.3033



41.3906, 0.3448, 0.3709

# Complementary

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



41.3906, 0.2678, 0.3131



32.7273, 0.3755, 0.3442

# 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.



41.3906, 0.3586, 0.3601



41.3906, 0.2678, 0.3131



41.3906, 0.3478, 0.3214

# Square

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



41.3906, 0.2678, 0.3131



41.3906, 0.3015, 0.2915



41.3906, 0.3598, 0.3419



41.3906, 0.3226, 0.3701



# Rectangle

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



41.3906, 0.2678, 0.3131



41.3906, 0.2755, 0.2902



41.3906, 0.3598, 0.3419



41.3906, 0.3506, 0.3685

# Sweetspot

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



41.3923, 0.2678, 0.3131



86.9365, 0.2988, 0.3246



44.2487, 0.3012, 0.4001



18.8757, 0.2966, 0.3239



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.



41.3923, 0.2678, 0.3131



70.8875, 0.2593, 0.3094



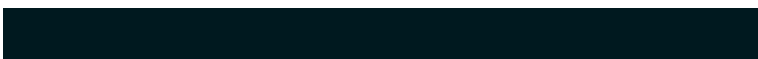
31.0124, 0.2630, 0.2699



10.4935, 0.2985, 0.3245



17.9401, 0.2077, 0.2679



0.7834, 0.2122, 0.2841



# Inverse Universe

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



31.1582, 0.3273, 0.2676



50.1345, 0.3310, 0.2549



42.5176, 0.3644, 0.3817



9.6644, 0.3166, 0.3106



8.8408, 0.3749, 0.1839



0.3544, 0.3597, 0.1755



# Previews

## White Background



This preview shows how the Yxy color 41.3906, 0.2678, 0.3131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

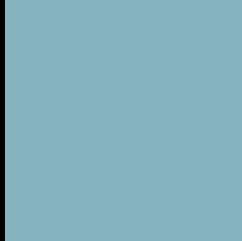
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.3906, 0.2678, 0.3131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

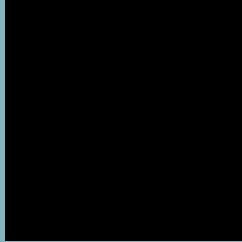
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

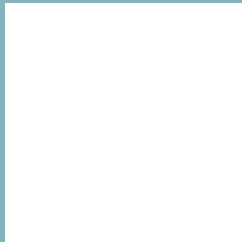
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.3906, 0.2678, 0.3131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.3906, 0.2678, 0.3131.



This preview shows how white text looks on a background with the Yxy color 41.3906, 0.2678, 0.3131.

# 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

41.3906, 0.2678, 0.3131

### Protanopia

41.2865, 0.3013, 0.3101

### Deuteranopia

40.9975, 0.3001, 0.2936



## Tritanopia

41.6059, 0.2665, 0.3089

# Trichromacy



**Original Color**

41.3906, 0.2678, 0.3131

**Protanomaly**

41.0281, 0.2880, 0.3109

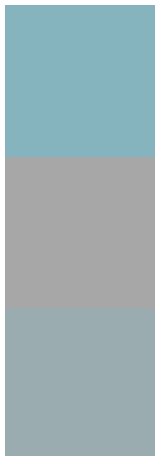
**Deuteranomaly**

41.0367, 0.2875, 0.3004

**Tritanomaly**

41.5611, 0.2671, 0.3103

# Monochromacy



**Original Color**

41.3906, 0.2678, 0.3131

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

39.6082, 0.2947, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.3906, 0.2678, 0.3131 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(133, 180, 191)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 191)  
}
```

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(133, 180, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3906, 0.2678, 0.3131 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(133, 180, 191) }
```

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

```
.border{ border-color:rgb(133, 180, 191) }
```

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

Here you see how a box with a 4 pixel rgb(133, 180, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 191);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3906, 0.2678, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 191) }
```

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

```
.background{ background-color: rgb(133,  
180, 191) }
```

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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