

Converting Colors

Yxy(53.0388, 0.2869, 0.4140)

Have a look what the booklet for
Yxy(53.0388, 0.2869, 0.4140)
contains.

Yxy(52.8104, 0.2867, 0.4130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.8104, 0.2867, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	77D399
RGB	119, 211, 153
RGB Percent	47%, 83%, 60%
CMY	0.5330, 0.1726, 0.4000
CMYK	0.44, 0.00, 0.27, 0.17
HSL	142°, 51%, 65%
HSV	142°, 44%, 83%
XYZ	36.6604, 52.8104, 38.3994
YIQ	176.8800, -36.2140, -37.5420

Conversions

Conversions Part 2

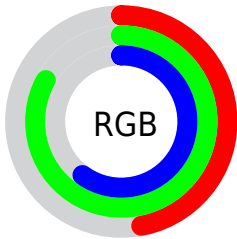
Format	Color
RYB	119, 186, 211
Decimal	7852953
CIELab	77.76, -40.19, 20.36
CIElCh	78, 45.050, 153.136
Yxy	52.8104, 0.2867, 0.4130
Android (android.graphics.Color)	4286043033 (0xFF77D399)
YUV	176.8800, -11.7728, -50.7608
Hunter-Lab	72.6708, -37.1255, 19.5405

Details

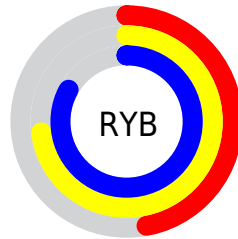
The Yxy color **52.8104, 0.2867, 0.4130** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.2386, 0.3541, 0.2586**, and the grayscale version is **43.9884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1880, 0.2911, 0.3825**, and **25.7930, 0.2778, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **51.0648, 0.2826, 0.4368**, and if you desaturate by 10%, it is **54.9408, 0.2918, 0.3906**.

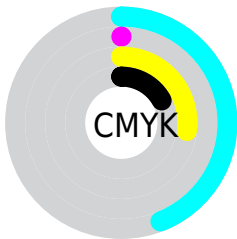
Distribution



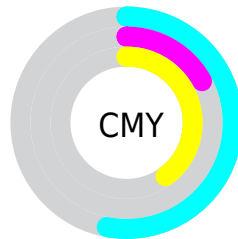
- Red (47%)
- Green (83%)
- Blue (60%)



- Red (47%)
- Yellow (73%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (27%)
- Black (17%)





- Cyan (53%)
- Magenta (17%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8104, 0.2867, 0.4130 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 52.8104, 0.2867, 0.4130 by changing the saturation by 10% instead.


 52.8104, 0.2867,
0.4130


 52.8104, 0.2867,
0.4130


397.5573, 0.3005,
0.3697


 37.6514, 0.2830,
0.4242

 94.3253, 0.2919,
0.3970

 25.7123, 0.2781,
0.4388


 121.4501, 0.2938,
0.3910

 16.6085, 0.2713,
0.4586


 153.3322, 0.2954,
0.3860

 9.9558, 0.2613,
0.4868

190.3561, 0.2968,
0.3818

 5.3696, 0.2455,
0.5299

232.9061, 0.2979,
0.3781

 2.4657, 0.2183,
0.6055

281.3668, 0.2989,

 0.8594, 0.0000,

0.3749

1.0000

336.1223, 0.2998,
0.3721

■ 0.0000, 0.0000,
0.0000

■ 52.8104, 0.2867,
0.4130

■ 52.8104, 0.2867,
0.4130

■ 51.0648, 0.2826,
0.4368

■ 54.9408, 0.2918,
0.3906

■ 49.6738, 0.2799,
0.4613

■ 57.4713, 0.2977,
0.3699

■ 48.6130, 0.2788,
0.4858


■ 60.4239, 0.3040,
0.3512

■ 47.8519, 0.2795,
0.5093


■ 63.8173, 0.3104,
0.3345

■ 47.3538, 0.2820,
0.5307

■ 67.6691, 0.3169,
0.3197

 47.1328, 0.2842,
0.5431

 71.9957, 0.3232,
0.3067

 74.5101, 0.3207,
0.2943

 75.0646, 0.3147,
0.2861

Harmonies

Analogous

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



52.8104, 0.3456, 0.4390



52.8104, 0.2867, 0.4130



52.8104, 0.2377, 0.3563

Triad

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



52.8104, 0.2867, 0.4130



52.8104, 0.2282, 0.2357



52.8104, 0.4276, 0.3442

Complementary

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



52.8104, 0.2867, 0.4130



30.2386, 0.3541, 0.2586

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.



52.8104, 0.3901, 0.2990



52.8104, 0.2867, 0.4130



52.8104, 0.2717, 0.2394

Square

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



52.8104, 0.2867, 0.4130



52.8104, 0.2069, 0.2542



52.8104, 0.3309, 0.2620



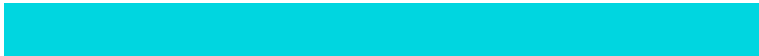
52.8104, 0.4297, 0.3901

Rectangle

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



52.8104, 0.2867, 0.4130



52.8104, 0.2165, 0.3150



52.8104, 0.3309, 0.2620



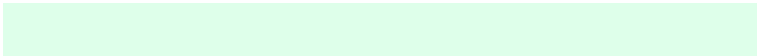
52.8104, 0.4186, 0.3287

Sweetspot

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



52.8126, 0.2867, 0.4130



92.9713, 0.3042, 0.3505



57.3000, 0.3494, 0.4466



19.6695, 0.3028, 0.3545



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.



52.8126, 0.2867, 0.4130



78.6400, 0.2829, 0.4344



54.6239, 0.2606, 0.3456



13.2774, 0.3066, 0.3440



28.4652, 0.2834, 0.5404



1.6067, 0.2729, 0.5025

Inverse Universe

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



30.2386, 0.3541, 0.2586



39.7367, 0.3664, 0.2451



28.7093, 0.4110, 0.3139



11.9319, 0.3193, 0.3144



9.4023, 0.4405, 0.2200



0.5407, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 52.8104, 0.2867, 0.4130 looks on a white background.

Color Contrast Check

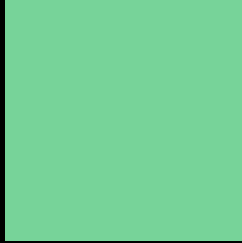
Large Text (above 18pt) WCAG AA × Fail

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 52.8104, 0.2867, 0.4130 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 52.8104, 0.2867, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 52.8104, 0.2867, 0.4130.



This preview shows how white text looks on a background with the Yxy color 52.8104, 0.2867, 0.4130.

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

52.8104, 0.2867, 0.4130

Protanopia

52.2544, 0.3618, 0.3871

Deuteranopia

52.1563, 0.3659, 0.3586



Tritanopia

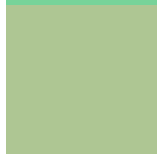
52.4239, 0.2558, 0.3066

Trichromacy



Original Color

52.8104, 0.2867, 0.4130



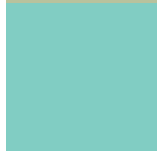
Protanomaly

51.4934, 0.3309, 0.3970



Deuteranomaly

51.2082, 0.3325, 0.3772



Tritanomaly

52.2699, 0.2670, 0.3426

Monochromacy



Original Color

52.8104, 0.2867, 0.4130



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.2903, 0.3017, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8104, 0.2867, 0.4130 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(119, 211, 153)` looks like.

```
.text, #text, p{  
    color:rgb(119, 211, 153)  
}
```

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(119, 211, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 211, 153) }
```

Border

The CSS property to change the border of an element to Yxy 52.8104, 0.2867, 0.4130 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(119, 211, 153) }
```

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

```
.border{ border-color:rgb(119, 211, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 211, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 211, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 211, 153);  
box-shadow:4px 4px 4px 4px rgb(119, 211,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8104, 0.2867, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 211, 153) }
```

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

```
.background{ background-color: rgb(119,  
211, 153) }
```

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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