

Converting Colors

Yxy(53.8209, 0.3002, 0.4182)

Have a look what the booklet for
Yxy(53.8209, 0.3002, 0.4182)
contains.

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Color

Yxy(53.8775, 0.2997, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	87D394
RGB	135, 211, 148
RGB Percent	53%, 83%, 58%
CMY	0.4707, 0.1725, 0.4195
CMYK	0.36, 0.00, 0.30, 0.17
HSL	130°, 46%, 68%
HSV	130°, 36%, 83%
XYZ	38.6294, 53.8775, 36.3866
YIQ	181.0940, -25.0730, -35.7050

Conversions

Conversions Part 2

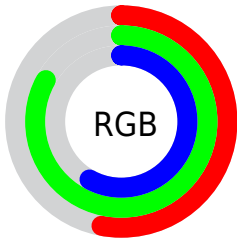
Format	Color
RYB	135, 200, 211
Decimal	8901524
CIELab	78.39, -36.49, 23.95
CIELCh	78, 43.649, 146.719
Yxy	53.8775, 0.2997, 0.4180
Android (android.graphics.Color)	4287091604 (0xFF87D394)
YUV	181.0940, -16.3153, -40.4244
Hunter-Lab	73.4013, -34.5119, 21.9895

Details

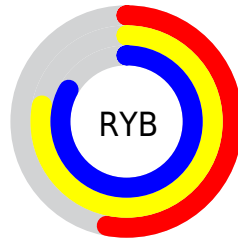
The Yxy color **53.8775, 0.2997, 0.4180** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.2475, 0.3295, 0.2540**, and the grayscale version is **46.3611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8606, 0.3034, 0.3881**, and **26.3893, 0.2940, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **51.7873, 0.2967, 0.4481**, and if you desaturate by 10%, it is **56.4026, 0.3032, 0.3899**.

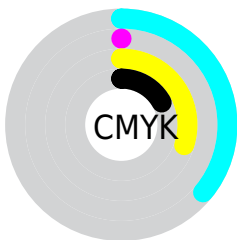
Distribution



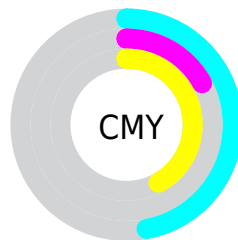
- Red (53%)
- Green (83%)
- Blue (58%)



- Red (53%)
- Yellow (78%)
- Blue (83%)



- Cyan (36%)
- Magenta (0%)
- Yellow (30%)
- Black (17%)



- Cyan (47%)
- Magenta (17%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8775, 0.2997, 0.4180 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 53.8775, 0.2997, 0.4180 by changing the saturation by 10% instead.


 53.8775, 0.2997,
0.4180

 53.8775, 0.2997,
0.4180


401.6427, 0.3073,
0.3723

 38.5037, 0.2975,
0.4298


 95.8944, 0.3027,
0.4011

 26.3739, 0.2944,
0.4450


 123.3062, 0.3038,
0.3949

 17.1036, 0.2899,
0.4656


 155.4996, 0.3046,
0.3896

 10.3084, 0.2830,
0.4947

192.8589, 0.3053,
0.3851

 5.6039, 0.2713,
0.5385

235.7684, 0.3059,
0.3812

 2.6057, 0.2521,
0.6191

284.6126, 0.3065,

 0.9296, 0.0000,

0.3779

1.0000

339.7759, 0.3069,
0.3749

0.0000, 0.0000,
0.0000

53.8775, 0.2997,
0.4180

53.8775, 0.2997,
0.4180

51.7873, 0.2967,
0.4481

56.4026, 0.3032,
0.3899

50.1010, 0.2943,
0.4792

59.3783, 0.3068,
0.3643

48.7940, 0.2929,
0.5097


62.8277, 0.3105,
0.3414


47.8362, 0.2925,
0.5378


66.7703, 0.3141,
0.3213

47.1929, 0.2934,
0.5617

71.2245, 0.3176,
0.3038

 46.8214, 0.2953,
0.5799

 74.9380, 0.3161,
0.2880

 46.7205, 0.2960,
0.5855

 75.0720, 0.3147,
0.2861

Harmonies

Analogous

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



53.8775, 0.3566, 0.4351



53.8775, 0.2997, 0.4180



53.8775, 0.2491, 0.3682

Triad

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



53.8775, 0.2997, 0.4180



53.8775, 0.2247, 0.2409



53.8775, 0.4181, 0.3343

Complementary

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



53.8775, 0.2997, 0.4180



35.2475, 0.3295, 0.2540

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.



53.8775, 0.3761, 0.2916



53.8775, 0.2997, 0.4180



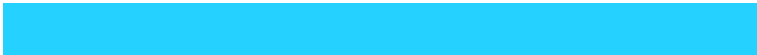
53.8775, 0.2626, 0.2399

Square

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



53.8775, 0.2997, 0.4180



53.8775, 0.2090, 0.2639



53.8775, 0.3175, 0.2582



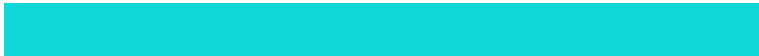
53.8775, 0.4280, 0.3793

Rectangle

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



53.8775, 0.2997, 0.4180



53.8775, 0.2253, 0.3282



53.8775, 0.3175, 0.2582



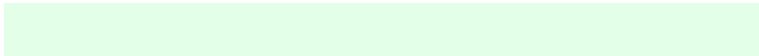
53.8775, 0.4072, 0.3195

Sweetspot

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



53.8798, 0.2997, 0.4180



93.6554, 0.3086, 0.3527



60.3921, 0.3562, 0.4214



19.8925, 0.3081, 0.3559



0.0000, 0.0000, 0.0000



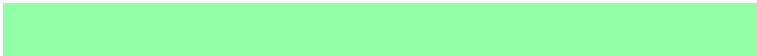
21.4041, 0.3127, 0.3290

Same Dimension

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



53.8798, 0.2997, 0.4180



80.2575, 0.2974, 0.4402



55.2720, 0.2769, 0.3634



13.2389, 0.3093, 0.3488



28.2042, 0.2954, 0.5836



1.5874, 0.2867, 0.5520

Inverse Universe

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



35.2475, 0.3295, 0.2540



47.6854, 0.3338, 0.2391



33.7211, 0.3697, 0.2976



11.9728, 0.3164, 0.3100



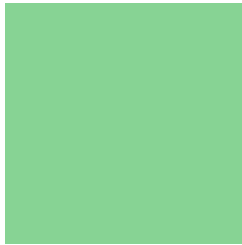
10.2347, 0.3693, 0.1808



0.5817, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 53.8775, 0.2997, 0.4180 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 53.8775, 0.2997, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

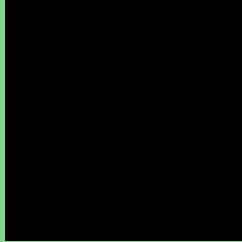
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.8775, 0.2997, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 53.8775, 0.2997, 0.4180.

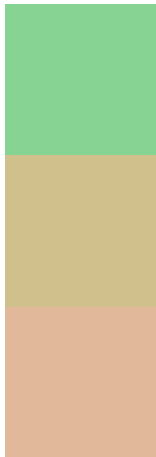


This preview shows how white text looks on a background with the Yxy color 53.8775, 0.2997, 0.4180.

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

53.8775, 0.2997, 0.4180

Protanopia

53.4433, 0.3669, 0.3937

Deuteranopia

53.0386, 0.3734, 0.3652



Tritanopia

53.6926, 0.2652, 0.3084

Trichromacy



Original Color

53.8775, 0.2997, 0.4180



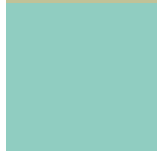
Protanomaly

53.1155, 0.3392, 0.4034



Deuteranomaly

52.0570, 0.3432, 0.3826



Tritanomaly

53.4422, 0.2773, 0.3450

Monochromacy



Original Color

53.8775, 0.2997, 0.4180



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.4564, 0.3072, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8775, 0.2997, 0.4180 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(135, 211, 148)` looks like.

```
.text, #text, p{  
    color:rgb(135, 211, 148)  
}
```

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(135, 211, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 211, 148) }
```

Border

The CSS property to change the border of an element to Yxy 53.8775, 0.2997, 0.4180 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(135, 211, 148) }
```

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

```
.border{ border-color:rgb(135, 211, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 211, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 211, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 211, 148);  
box-shadow:4px 4px 4px 4px rgb(135, 211,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8775, 0.2997, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 211, 148) }
```

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

```
.background{ background-color: rgb(135,  
211, 148) }
```

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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