

Converting Colors

$Yxy(58.8048, 0.2998, 0.3785)$

Have a look what the booklet for
Yxy(58.8048, 0.2998, 0.3785)
contains.

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Color

Yxy(58.8048, 0.2998, 0.3785)

Conversions

Conversions Part 1

Format	Color
Hex	A1D6B0
RGB	161, 214, 176
RGB Percent	63%, 84%, 69%
CMY	0.3687, 0.1607, 0.3097
CMYK	0.25, 0.00, 0.18, 0.16
HSL	137°, 39%, 74%
HSV	137°, 25%, 84%
XYZ	46.5778, 58.8048, 49.9802
YIQ	193.8210, -19.3900, -23.0540

Conversions

Conversions Part 2

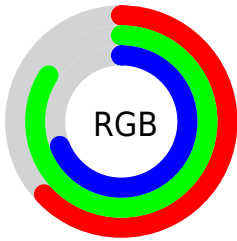
Format	Color
RYB	161, 202, 214
Decimal	10606256
CIELab	81.18, -24.70, 13.28
CIElCh	81, 28.041, 151.734
Yxy	58.8048, 0.2998, 0.3785
Android (android.graphics.Color)	4288796336 (0xFFFA1D6B0)
YUV	193.8210, -8.7858, -28.7840
Hunter-Lab	76.6843, -25.7773, 15.0358

Details

The Yxy color **58.8048, 0.2998, 0.3785** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.8981, 0.3287, 0.2842**, and the grayscale version is **53.8974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0979, 0.3025, 0.3529**, and **29.4145, 0.2961, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **56.1984, 0.2950, 0.4024**, and if you desaturate by 10%, it is **61.8651, 0.3049, 0.3568**.

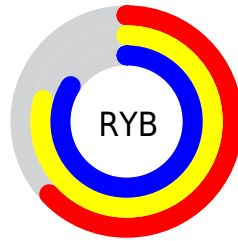
Distribution



Red (63%)

Green (84%)

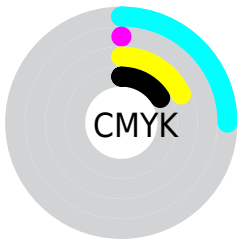
Blue (69%)



Red (63%)

Yellow (79%)

Blue (84%)

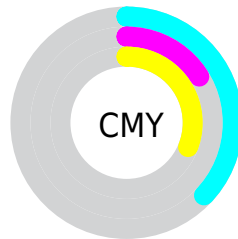


Cyan (25%)

Magenta (0%)

Yellow (18%)

Black (16%)



Cyan (37%)


Magenta (16%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8048, 0.2998, 0.3785 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 58.8048, 0.2998, 0.3785 by changing the saturation by 10% instead.


 58.8048, 0.2998,
0.3785


 58.8048, 0.2998,
0.3785


420.1782, 0.3064,
0.3539

 42.4560, 0.2981,
0.3846


 103.0939, 0.3022,
0.3696

 29.4585, 0.2959,
0.3924


 131.8030, 0.3031,
0.3662

 19.4280, 0.2930,
0.4027


165.4010, 0.3039,
0.3634

 11.9799, 0.2888,
0.4170

204.2723, 0.3046,
0.3610

 6.7300, 0.2824,
0.4381

248.8012, 0.3051,
0.3588

 3.2938, 0.2716,
0.4721

299.3723, 0.3056,

 1.2870, 0.2516,

0.3570

0.5643

356.3698, 0.3060,
0.3553

■ 0.1311, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8048, 0.2998,
0.3785

■ 58.8048, 0.2998,
0.3785

■ 56.1984, 0.2950,
0.4024

■ 61.8651, 0.3049,
0.3568

■ 54.0169, 0.2908,
0.4283

■ 65.3922, 0.3102,
0.3375

■ 52.2393, 0.2876,
0.4554


■ 69.4073, 0.3154,
0.3204

■ 50.8398, 0.2856,
0.4830


■ 73.9284, 0.3205,
0.3054


 49.7894, 0.2850,
0.5098

 76.4281, 0.3162,
0.2912

 49.0551, 0.2861,
0.5344

 76.5779, 0.3146,
0.2891

 48.5965, 0.2887,
0.5555

 48.4320, 0.2903,
0.5649

Harmonies

Analogous

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



58.8048, 0.3360, 0.3936



58.8048, 0.2998, 0.3785



58.8048, 0.2683, 0.3475

Triad

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



58.8048, 0.2998, 0.3785



58.8048, 0.2593, 0.2712



58.8048, 0.3807, 0.3392

Complementary

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



58.8048, 0.2998, 0.3785



43.8981, 0.3287, 0.2842

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.



58.8048, 0.3577, 0.3099



58.8048, 0.2998, 0.3785



58.8048, 0.2867, 0.2719

Square

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



58.8048, 0.2998, 0.3785



58.8048, 0.2460, 0.2851



58.8048, 0.3227, 0.2859



58.8048, 0.3839, 0.3678

Rectangle

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



58.8048, 0.2998, 0.3785



58.8048, 0.2539, 0.3238



58.8048, 0.3227, 0.2859



58.8048, 0.3750, 0.3292

Sweetspot

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



58.8073, 0.2998, 0.3785



95.9741, 0.3090, 0.3417



62.8096, 0.3381, 0.3930



20.4717, 0.3087, 0.3428



0.0000, 0.0000, 0.0000



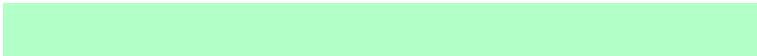
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8073, 0.2998, 0.3785



85.2242, 0.2971, 0.3914



59.9606, 0.2833, 0.3434



13.9533, 0.3078, 0.3461



29.2866, 0.2896, 0.5624



1.7806, 0.2798, 0.5273

Inverse Universe

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



43.8981, 0.3287, 0.2842



59.1999, 0.3331, 0.2739



42.7729, 0.3534, 0.3151



12.5698, 0.3181, 0.3124



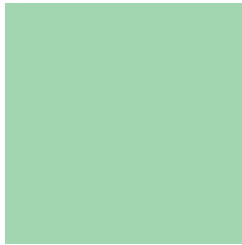
10.0553, 0.4080, 0.2021



0.6204, 0.3895, 0.1919

Previews

White Background



This preview shows how the Yxy color 58.8048, 0.2998, 0.3785 looks on a white background.

Color Contrast Check

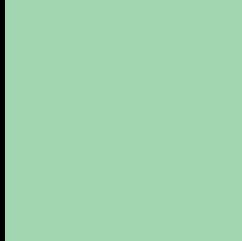
Large Text (above 18pt) WCAG AA × Fail

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 58.8048, 0.2998, 0.3785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

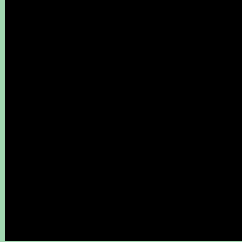
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8048, 0.2998, 0.3785

Background



This preview shows how black text looks on a background with the Yxy color 58.8048, 0.2998, 0.3785.

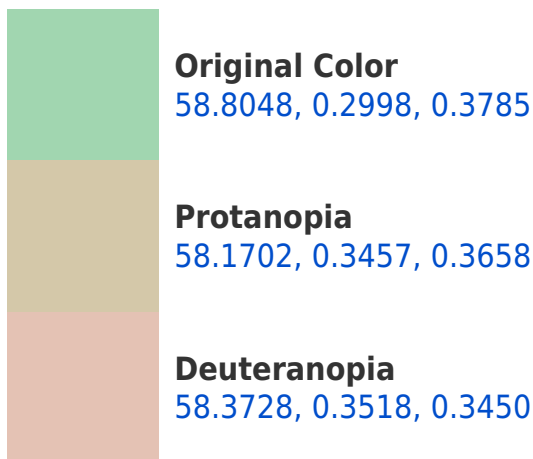


This preview shows how white text looks on a background with the Yxy color 58.8048, 0.2998, 0.3785.

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

58.5535, 0.2756, 0.3082

Trichromacy



Original Color

58.8048, 0.2998, 0.3785

Protanomaly

57.9787, 0.3270, 0.3698

Deuteranomaly

57.8653, 0.3313, 0.3555

Tritanomaly

58.8137, 0.2842, 0.3327

Monochromacy



Original Color

58.8048, 0.2998, 0.3785

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.3062, 0.3080, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8048, 0.2998, 0.3785 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(161, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(161, 214, 176)  
}
```

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(161, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 214, 176) }
```

Border

The CSS property to change the border of an element to Yxy 58.8048, 0.2998, 0.3785 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(161, 214, 176) }
```

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

```
.border{ border-color:rgb(161, 214, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 214, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 214, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 214, 176);  
box-shadow:4px 4px 4px 4px rgb(161, 214,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8048, 0.2998, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 214, 176) }
```

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

```
.background{ background-color: rgb(161,  
214, 176) }
```

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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