

Converting Colors

$Y_{xy}(45.8897, 0.2943, 0.3870)$

Have a look what the booklet for
Yxy(45.8897, 0.2943, 0.3870)
contains.

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Color

Yxy(45.9850, 0.2949, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	86C29A
RGB	134, 194, 154
RGB Percent	53%, 76%, 60%
CMY	0.4744, 0.2392, 0.3961
CMYK	0.31, 0.00, 0.21, 0.24
HSL	140°, 33%, 64%
HSV	140°, 31%, 76%
XYZ	34.9600, 45.9850, 37.6036
YIQ	171.5000, -22.9200, -25.1600

Conversions

Conversions Part 2

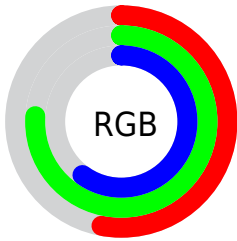
Format	Color
RYB	134, 179, 194
Decimal	8831642
CIELab	73.54, -27.68, 14.05
CIELCh	74, 31.047, 153.089
Yxy	45.9850, 0.2949, 0.3879
Android (android.graphics.Color)	4287021722 (0xFF86C29A)
YUV	171.5000, -8.6275, -32.8875
Hunter-Lab	67.8122, -26.6474, 14.5908

Details

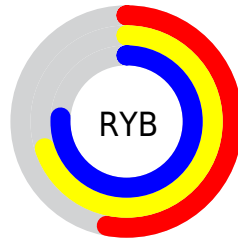
The Yxy color **45.9850, 0.2949, 0.3879** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.5868, 0.3366, 0.2767**, and the grayscale version is **41.0467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3672, 0.2990, 0.3772**, and **21.5293, 0.2887, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **44.1276, 0.2899, 0.4111**, and if you desaturate by 10%, it is **48.1852, 0.3004, 0.3667**.

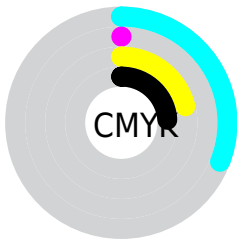
Distribution



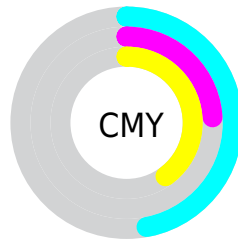
- Red (53%)
- Green (76%)
- Blue (60%)



- Red (53%)
- Yellow (70%)
- Blue (76%)



- Cyan (31%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (47%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9850, 0.2949, 0.3879 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 45.9850, 0.2949, 0.3879 by changing the saturation by 10% instead.

 45.9850, 0.2949,
0.3879

 45.9850, 0.2949,
0.3879


370.7483, 0.3044,
0.3572


 32.2340, 0.2923,
0.3960


 84.1965, 0.2985,
0.3765

 21.5403, 0.2889,
0.4065


 109.4259, 0.2998,
0.3723

 13.5195, 0.2842,
0.4211


 139.2501, 0.3009,
0.3687

 7.7872, 0.2771,
0.4422

174.0536, 0.3018,
0.3657

 3.9591, 0.2655,
0.4755

214.2208, 0.3026,
0.3632

 1.6507, 0.2455,
0.5415

260.1360, 0.3033,

 0.3914, 0.0000,

0.3609

1.0000

312.1838, 0.3039,
0.3590

0.0000, 0.0000,
0.0000

45.9850, 0.2949,
0.3879

45.9850, 0.2949,
0.3879

44.1276, 0.2899,
0.4111

48.1852, 0.3004,
0.3667

42.5897, 0.2859,
0.4358

50.7386, 0.3063,
0.3475

41.3542, 0.2830,
0.4614


53.6622, 0.3122,
0.3304


40.3999, 0.2816,
0.4870


56.9703, 0.3181,
0.3154


39.7027, 0.2818,
0.5116

60.6764, 0.3238,
0.3022

 39.2343, 0.2838,
0.5341

 64.7932, 0.3292,
0.2907

 38.9594, 0.2867,
0.5520

 66.4100, 0.3231,
0.2788

 67.0625, 0.3155,
0.2693

Harmonies

Analogous

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



45.9850, 0.3381, 0.4071



45.9850, 0.2949, 0.3879



45.9850, 0.2581, 0.3492

Triad

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



45.9850, 0.2949, 0.3879



45.9850, 0.2502, 0.2599



45.9850, 0.3953, 0.3420

Complementary

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



45.9850, 0.2949, 0.3879



31.5868, 0.3366, 0.2767

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.



45.9850, 0.3685, 0.3075



45.9850, 0.2949, 0.3879



45.9850, 0.2832, 0.2619

Square

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



45.9850, 0.2949, 0.3879



45.9850, 0.2339, 0.2750



45.9850, 0.3265, 0.2790



45.9850, 0.3978, 0.3760

Rectangle

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



45.9850, 0.2949, 0.3879



45.9850, 0.2417, 0.3203



45.9850, 0.3265, 0.2790



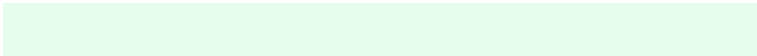
45.9850, 0.3888, 0.3302

Sweetspot

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



45.9869, 0.2949, 0.3879



92.8136, 0.3073, 0.3443



49.4199, 0.3422, 0.4097



20.1620, 0.3064, 0.3470



0.0000, 0.0000, 0.0000



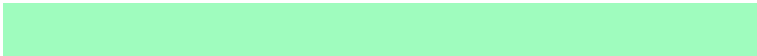
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9869, 0.2949, 0.3879



81.0029, 0.2915, 0.4032



47.0730, 0.2757, 0.3445



11.3129, 0.3072, 0.3447



25.6291, 0.2860, 0.5495



1.1203, 0.2728, 0.5022

Inverse Universe

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



31.5868, 0.3366, 0.2767



50.8302, 0.3434, 0.2652



30.5747, 0.3690, 0.3143



10.1887, 0.3187, 0.3138



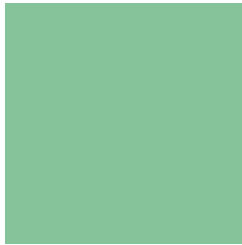
8.6059, 0.4258, 0.2120



0.3842, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 45.9850, 0.2949, 0.3879 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 45.9850, 0.2949, 0.3879 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 45.9850, 0.2949, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 45.9850, 0.2949, 0.3879.

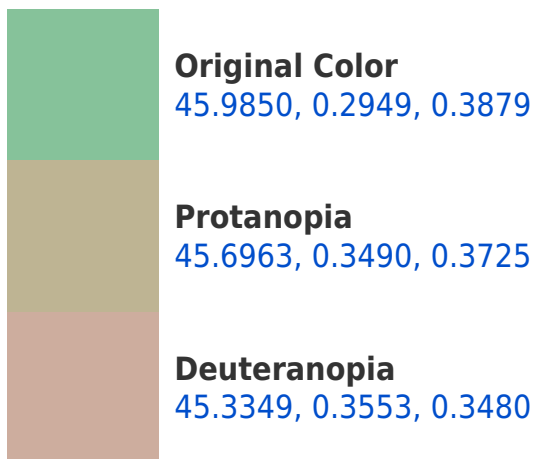


This preview shows how white text looks on a background with the Yxy color 45.9850, 0.2949, 0.3879.

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

45.7342, 0.2693, 0.3085

Trichromacy



Original Color

45.9850, 0.2949, 0.3879

Protanomaly

45.4460, 0.3274, 0.3774

Deuteranomaly

45.0658, 0.3304, 0.3614

Tritanomaly

45.9051, 0.2780, 0.3359

Monochromacy



Original Color

45.9850, 0.2949, 0.3879

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6282, 0.3058, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9850, 0.2949, 0.3879 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(134, 194, 154)` looks like.

```
.text, #text, p{  
    color:rgb(134, 194, 154)  
}
```

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(134, 194, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 194, 154) }
```

Border

The CSS property to change the border of an element to Yxy 45.9850, 0.2949, 0.3879 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(134, 194, 154) }
```

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

```
.border{ border-color:rgb(134, 194, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 194, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 194, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 194, 154);  
box-shadow:4px 4px 4px 4px rgb(134, 194,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9850, 0.2949, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 194, 154) }
```

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

```
.background{ background-color: rgb(134,  
194, 154) }
```

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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