

# Converting Colors

$Yxy(48.3228, 0.2925, 0.3983)$

Have a look what the booklet for  
Yxy(48.3228, 0.2925, 0.3983)  
contains.

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# Color

**Yxy(48.2756, 0.2923, 0.3979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81C899
RGB	129, 200, 153
RGB Percent	51%, 78%, 60%
CMY	0.4939, 0.2157, 0.4000
CMYK	0.35, 0.00, 0.23, 0.22
HSL	140°, 39%, 65%
HSV	140°, 35%, 78%
XYZ	35.4636, 48.2756, 37.5868
YIQ	173.4130, -27.2290, -29.6690

# Conversions

## Conversions Part 2

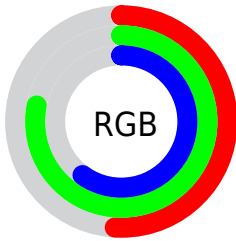
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">129, 182, 200</a>
Decimal	<a href="#">8505497</a>
CIELab	<a href="#">75.00, -32.28, 16.59</a>
CIELCh	<a href="#">75, 36.293, 152.791</a>
Yxy	<a href="#">48.2756, 0.2923, 0.3979</a>
Android (android.graphics.Color)	<a href="#">4286695577 (0xFF81C899)</a>
YUV	<a href="#">173.4130, -10.0636, -38.9502</a>
Hunter-Lab	<a href="#">69.4806, -30.4830, 16.5625</a>

# Details

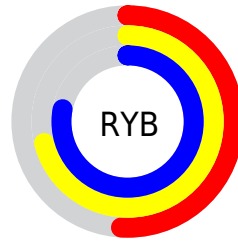
The Yxy color **48.2756, 0.2923, 0.3979** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.1303, 0.3416, 0.2691**, and the grayscale version is **42.0808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2153, 0.2966, 0.3829**, and **23.0536, 0.2852, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **46.4471, 0.2877, 0.4217**, and if you desaturate by 10%, it is **50.4633, 0.2977, 0.3759**.

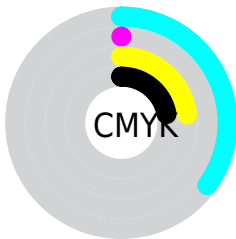
# Distribution



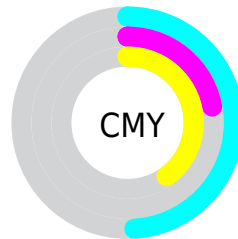
- Red (51%)
- Green (78%)
- Blue (60%)



- Red (51%)
- Yellow (71%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)



- Cyan (49%)
- Magenta (22%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2756, 0.2923, 0.3979 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 48.2756, 0.2923, 0.3979 by changing the saturation by 10% instead.





 48.2756, 0.2923,  
0.3979


 48.2756, 0.2923,  
0.3979

379.8835, 0.3032,  
0.3621


 34.0452, 0.2893,  
0.4073


 87.6146, 0.2964,  
0.3846

 22.9283, 0.2854,  
0.4195


 113.4920, 0.2979,  
0.3797

 14.5406, 0.2799,  
0.4363

 144.0205, 0.2992,  
0.3756

 8.4976, 0.2718,  
0.4605

179.5845, 0.3002,  
0.3721

 4.4150, 0.2586,  
0.4983

220.5684, 0.3011,  
0.3691

 1.9083, 0.2362,  
0.5703

267.3566, 0.3019,

 0.5534, 0.0000,

0.3664

1.0000

320.3335, 0.3026,  
0.3642

0.0000, 0.0000,  
0.0000

48.2756, 0.2923,  
0.3979

48.2756, 0.2923,  
0.3979

46.4471, 0.2877,  
0.4217

50.4633, 0.2977,  
0.3759

44.9522, 0.2840,  
0.4468

53.0221, 0.3035,  
0.3559

43.7715, 0.2818,  
0.4724

55.9708, 0.3094,  
0.3379

42.8808, 0.2811,  
0.4977


59.3252, 0.3154,  
0.3221


42.2524, 0.2822,  
0.5214


63.1002, 0.3213,  
0.3081

 41.8524, 0.2850,  
0.5425

 67.3097, 0.3270,  
0.2959

 41.7175, 0.2864,  
0.5511

 69.2039, 0.3218,  
0.2837

 69.7861, 0.3152,  
0.2752

# Harmonies

## Analogous

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



48.2756, 0.3417, 0.4195



48.2756, 0.2923, 0.3979



48.2756, 0.2505, 0.3525

# Triad

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



48.2756, 0.2923, 0.3979



48.2756, 0.2412, 0.2503



48.2756, 0.4077, 0.3426

# Complementary

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



48.2756, 0.2923, 0.3979



31.1303, 0.3416, 0.2691

# 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.



48.2756, 0.3764, 0.3038



48.2756, 0.2923, 0.3979



48.2756, 0.2782, 0.2528

# Square

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



48.2756, 0.2923, 0.3979



48.2756, 0.2230, 0.2671



48.2756, 0.3277, 0.2720



48.2756, 0.4105, 0.3814



# Rectangle

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



48.2756, 0.2923, 0.3979



48.2756, 0.2320, 0.3189



48.2756, 0.3277, 0.2720



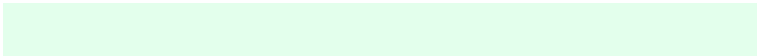
48.2756, 0.4001, 0.3293

# Sweetspot

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



48.2776, 0.2923, 0.3979



93.9233, 0.3060, 0.3479



52.1633, 0.3453, 0.4228



19.9560, 0.3052, 0.3504



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

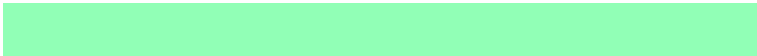


# Same Dimension

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



48.2776, 0.2923, 0.3979



80.9641, 0.2884, 0.4172



49.6158, 0.2702, 0.3454



11.9460, 0.3071, 0.3447



26.5422, 0.2857, 0.5485



1.2703, 0.2735, 0.5047



# Inverse Universe

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



31.1303, 0.3416, 0.2691



46.6791, 0.3507, 0.2555



29.9134, 0.3824, 0.3136



10.7534, 0.3188, 0.3138



8.8926, 0.4278, 0.2130



0.4342, 0.4001, 0.1978



# Previews

## White Background



This preview shows how the Yxy color 48.2756, 0.2923, 0.3979 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 48.2756, 0.2923, 0.3979 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 48.2756, 0.2923, 0.3979**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2756, 0.2923, 0.3979.



This preview shows how white text looks on a background with the Yxy color 48.2756, 0.2923, 0.3979.

# 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

48.2756, 0.2923, 0.3979

### Protanopia

47.6471, 0.3554, 0.3779

### Deuteranopia

47.7618, 0.3598, 0.3524



## Tritanopia

48.3567, 0.2646, 0.3088

# Trichromacy



**Original Color**

48.2756, 0.2923, 0.3979

**Protanomaly**

47.3040, 0.3301, 0.3850

**Deuteranomaly**

46.9220, 0.3323, 0.3677

**Tritanomaly**

48.4291, 0.2748, 0.3400

# Monochromacy



**Original Color**

48.2756, 0.2923, 0.3979

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

43.7882, 0.3041, 0.3530

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2756, 0.2923, 0.3979 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(129, 200, 153)` looks like.

```
.text, #text, p{  
    color:rgb(129, 200, 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(129, 200, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 200, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2756, 0.2923, 0.3979 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(129, 200, 153) }
```

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

```
.border{ border-color:rgb(129, 200, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 200, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 200, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 200, 153);  
box-shadow:4px 4px 4px 4px rgb(129, 200,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2756, 0.2923, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 200, 153) }
```

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

```
.background{ background-color: rgb(129,  
200, 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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