

# Converting Colors

$Yxy(46.6650, 0.3296, 0.4081)$

Have a look what the booklet for  
Yxy(46.6650, 0.3296, 0.4081)  
contains.

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# Color

**Yxy(46.5879, 0.3301, 0.4079)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1BF87
RGB	161, 191, 135
RGB Percent	63%, 75%, 53%
CMY	0.3686, 0.2510, 0.4706
CMYK	0.16, 0.00, 0.29, 0.25
HSL	92°, 30%, 64%
HSV	92°, 29%, 75%
XYZ	37.7020, 46.5879, 29.9241
YIQ	175.6460, 0.0960, -23.7760

# Conversions

## Conversions Part 2

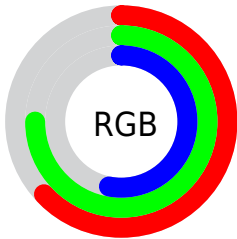
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 191, 165
Decimal	10600327
CIELab	73.93, -20.23, 25.01
CIELCh	74, 32.170, 128.970
Yxy	46.5879, 0.3301, 0.4079
Android (android.graphics.Color)	4288790407 (0xFFA1BF87)
YUV	175.6460, -20.0385, -12.8445
Hunter-Lab	68.2553, -20.8492, 21.7852

# Details

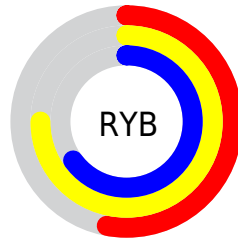
The Yxy color **46.5879, 0.3301, 0.4079** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.0867, 0.2900, 0.2512**, and the grayscale version is **43.3293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7946, 0.3271, 0.3919**, and **21.7984, 0.3338, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **45.0795, 0.3351, 0.4379**, and if you desaturate by 10%, it is **48.2839, 0.3244, 0.3791**.

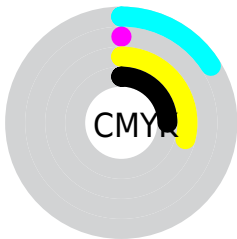
# Distribution



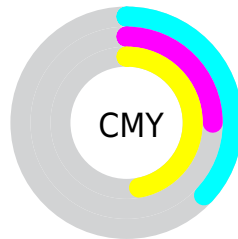
- Red (63%)
- Green (75%)
- Blue (53%)



- Red (53%)
- Yellow (75%)
- Blue (65%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (25%)




- Cyan (37%)
- Magenta (25%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5879, 0.3301, 0.4079 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 46.5879, 0.3301, 0.4079 by changing the saturation by 10% instead.





 46.5879, 0.3301,  
0.4079

 46.5879, 0.3301,  
0.4079

373.1672, 0.3223,  
0.3671


 32.7100, 0.3317,  
0.4185


 85.0982, 0.3275,  
0.3928

 21.9044, 0.3335,  
0.4322


 110.4993, 0.3265,  
0.3872

 13.7867, 0.3355,  
0.4508


 140.5103, 0.3255,  
0.3825

 7.9724, 0.3373,  
0.4772

175.5156, 0.3247,  
0.3785

 4.0773, 0.3377,  
0.5170

215.8995, 0.3240,  
0.3750

 1.7169, 0.3629,  
0.6371

262.0465, 0.3234,

 0.4346, 0.0000,

0.3721

1.0000

314.3409, 0.3228,  
0.3694

0.0000, 0.0000,  
0.0000

46.5879, 0.3301,  
0.4079

46.5879, 0.3301,  
0.4079

45.0795, 0.3351,  
0.4379

48.2839, 0.3244,  
0.3791

43.7453, 0.3390,  
0.4680

50.1681, 0.3184,  
0.3522

42.5796, 0.3415,  
0.4971

52.2489, 0.3123,  
0.3274

41.5739, 0.3421,  
0.5235

54.5325, 0.3063,  
0.3049

40.7186, 0.3406,  
0.5457

57.0247, 0.3005,  
0.2847

■ 40.0030, 0.3371,  
0.5625

■ 59.7308, 0.2950,  
0.2667

■ 39.4094, 0.3321,  
0.5741

■ 61.7425, 0.2989,  
0.2630

■ 39.3723, 0.3317,  
0.5748

■ 63.5108, 0.3065,  
0.2645

■ 65.3805, 0.3142,  
0.2660

# Harmonies

## Analogous

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



46.5879, 0.3714, 0.4063



46.5879, 0.3301, 0.4079



46.5879, 0.2860, 0.3832

# Triad

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



46.5879, 0.3301, 0.4079



46.5879, 0.2334, 0.2688



46.5879, 0.3774, 0.3134

# Complementary

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



46.5879, 0.3301, 0.4079



29.0867, 0.2900, 0.2512

# 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.



46.5879, 0.3359, 0.2825



46.5879, 0.3301, 0.4079



46.5879, 0.2538, 0.2569

# Square

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



46.5879, 0.3301, 0.4079



46.5879, 0.2322, 0.2984



46.5879, 0.2904, 0.2623



46.5879, 0.4006, 0.3494



# Rectangle

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



46.5879, 0.3301, 0.4079



46.5879, 0.2609, 0.3559



46.5879, 0.2904, 0.2623



46.5879, 0.3649, 0.3023

# Sweetspot

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



46.5899, 0.3301, 0.4079



89.9117, 0.3183, 0.3517



39.6879, 0.3655, 0.3692



19.6296, 0.3192, 0.3555



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

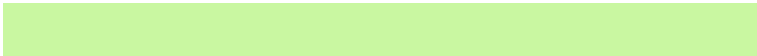


# Same Dimension

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



46.5899, 0.3301, 0.4079



81.7160, 0.3333, 0.4265



44.2159, 0.3075, 0.4104



10.8609, 0.3184, 0.3522



25.9208, 0.3327, 0.5740



1.0543, 0.3519, 0.5588



# Inverse Universe

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



29.0867, 0.2900, 0.2512



45.4356, 0.2839, 0.2331



32.0832, 0.3179, 0.2592



9.4702, 0.3066, 0.3059



4.3884, 0.2106, 0.0934



0.2105, 0.2362, 0.1075



# Previews

## White Background



This preview shows how the Yxy color 46.5879, 0.3301, 0.4079 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 46.5879, 0.3301, 0.4079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

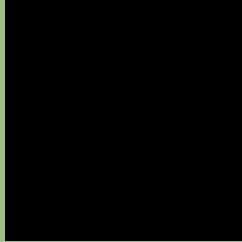
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.5879, 0.3301, 0.4079**

## Background



This preview shows how black text looks on a background with the Yxy color 46.5879, 0.3301, 0.4079.



This preview shows how white text looks on a background with the Yxy color 46.5879, 0.3301, 0.4079.

# 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

46.5879, 0.3301, 0.4079

### Protanopia

46.2885, 0.3669, 0.3938

### Deuteranopia

46.2823, 0.3798, 0.3721



## Tritanopia

46.4902, 0.2908, 0.3093

# Trichromacy



**Original Color**

46.5879, 0.3301, 0.4079

**Protanomaly**

46.4311, 0.3535, 0.3999

**Deuteranomaly**

45.9468, 0.3604, 0.3837

**Tritanomaly**

46.4284, 0.3054, 0.3439

# Monochromacy



**Original Color**

46.5879, 0.3301, 0.4079

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

44.2789, 0.3201, 0.3565

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.5879, 0.3301, 0.4079 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, 191, 135)` looks like.

```
.text, #text, p{  
    color:rgb(161, 191, 135)  
}
```

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, 191, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 191, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 46.5879, 0.3301, 0.4079 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, 191, 135) }
```

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

```
.border{ border-color:rgb(161, 191, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 191, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 191, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 191, 135);  
box-shadow:4px 4px 4px 4px rgb(161, 191,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.5879, 0.3301, 0.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 191, 135) }
```

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

```
.background{ background-color: rgb(161,  
191, 135) }
```

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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