

# Converting Colors

$Yxy(46.0437, 0.3064, 0.3327)$

Have a look what the booklet for  
Yxy(46.0437, 0.3064, 0.3327)  
contains.

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# Color

**Yxy(46.0465, 0.3067, 0.3330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADB7B4
RGB	173, 183, 180
RGB Percent	68%, 72%, 71%
CMY	0.3214, 0.2824, 0.2942
CMYK	0.05, 0.00, 0.02, 0.28
HSL	162°, 6%, 70%
HSV	162°, 5%, 72%
XYZ	42.4098, 46.0465, 49.8215
YIQ	179.6680, -4.9970, -3.0530

# Conversions

## Conversions Part 2

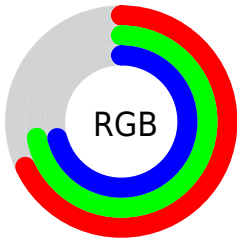
Format	Color
<a href="#">RYB</a>	<a href="#">173, 179, 183</a>
Decimal	<a href="#">11384756</a>
CIELab	<a href="#">73.58, -4.03, 0.32</a>
CIELCh	<a href="#">74, 4.043, 175.396</a>
Yxy	<a href="#">46.0465, 0.3067, 0.3330</a>
Android (android.graphics.Color)	<a href="#">4289574836</a> ( <a href="#">0xFFADB7B4</a> )
YUV	<a href="#">179.6680, 0.1637, -5.8478</a>
Hunter-Lab	<a href="#">67.8576, -7.1914, 3.9692</a>

# Details

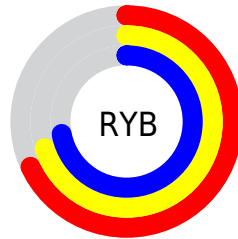
The Yxy color **46.0465, 0.3067, 0.3330** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.1057, 0.3191, 0.3250**, and the grayscale version is **45.4590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2831, 0.3073, 0.3321**, and **21.5625, 0.3056, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **43.8812, 0.2959, 0.3410**, and if you desaturate by 10%, it is **48.5105, 0.3178, 0.3258**.

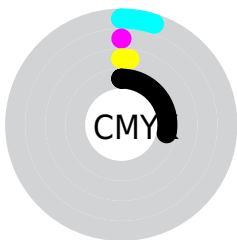
# Distribution



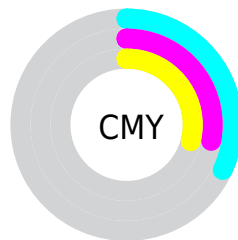
- Red (68%)
- Green (72%)
- Blue (71%)



- Red (68%)
- Yellow (70%)
- Blue (72%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (32%)
- Magenta (28%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0465, 0.3067, 0.3330 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 46.0465, 0.3067, 0.3330 by changing the saturation by 10% instead.



■ 46.0465, 0.3067,  
0.3330

■ 46.0465, 0.3067,  
0.3330

370.9956, 0.3097,  
0.3310

■ 32.2825, 0.3059,  
0.3335

■ 84.2886, 0.3078,  
0.3323

■ 21.5774, 0.3050,  
0.3341

109.5355, 0.3082,  
0.3320

■ 13.5467, 0.3037,  
0.3350

139.3788, 0.3086,  
0.3318

■ 7.8061, 0.3018,  
0.3362

174.2029, 0.3089,  
0.3316

■ 3.9711, 0.2991,  
0.3381

214.3923, 0.3091,  
0.3314

■ 1.6574, 0.2945,  
0.3411

260.3312, 0.3093,

■ 0.3959, 0.2568,

0.3313

0.3658

312.4042, 0.3095,  
0.3311

0.0000, 0.0000,  
0.0000

46.0465, 0.3067,  
0.3330

46.0465, 0.3067,  
0.3330

43.8812, 0.2959,  
0.3410

48.5105, 0.3178,  
0.3258

41.9971, 0.2857,  
0.3497

51.2783, 0.3290,  
0.3194

40.3837, 0.2763,  
0.3592

54.3623, 0.3402,  
0.3137

39.0277, 0.2681,  
0.3694

57.7724, 0.3511,  
0.3087

37.9145, 0.2613,  
0.3801

59.6641, 0.3538,  
0.3036

■ 37.0280, 0.2562,  
0.3913

■ 59.9412, 0.3491,  
0.2980

■ 36.3505, 0.2530,  
0.4027

■ 60.2279, 0.3445,  
0.2925

■ 35.8609, 0.2517,  
0.4142

■ 60.5243, 0.3399,  
0.2871

■ 35.5335, 0.2523,  
0.4255

■ 60.8306, 0.3354,  
0.2817

# Harmonies

## Analogous

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



46.0465, 0.3121, 0.3370



46.0465, 0.3067, 0.3330



46.0465, 0.3029, 0.3279

# Triad

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



46.0465, 0.3067, 0.3330



46.0465, 0.3077, 0.3194



46.0465, 0.3239, 0.3347

# Complementary

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



46.0465, 0.3067, 0.3330



43.1057, 0.3191, 0.3250

# 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.



46.0465, 0.3226, 0.3300



46.0465, 0.3067, 0.3330



46.0465, 0.3132, 0.3212

# Square

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



46.0465, 0.3067, 0.3330



46.0465, 0.3034, 0.3201



46.0465, 0.3187, 0.3251



46.0465, 0.3221, 0.3380



# Rectangle

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



46.0465, 0.3067, 0.3330



46.0465, 0.3018, 0.3246



46.0465, 0.3187, 0.3251



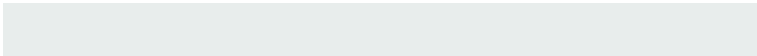
46.0465, 0.3238, 0.3333

# Sweetspot

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



46.0485, 0.3067, 0.3330



83.9188, 0.3105, 0.3305



46.1364, 0.3148, 0.3423



18.5451, 0.3106, 0.3304



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



46.0485, 0.3067, 0.3330



81.7900, 0.3049, 0.3343



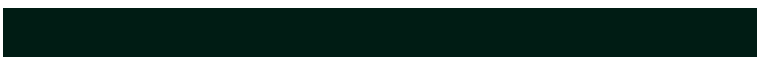
45.4245, 0.3044, 0.3265



10.2566, 0.3045, 0.3346



24.7183, 0.2526, 0.4293



0.8818, 0.2445, 0.4002



# Inverse Universe

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



43.1057, 0.3191, 0.3250



74.9735, 0.3212, 0.3238



43.6927, 0.3215, 0.3314



9.3596, 0.3217, 0.3235



7.2292, 0.5720, 0.2925



0.2662, 0.4967, 0.2510



# Previews

## White Background



This preview shows how the Yxy color 46.0465, 0.3067, 0.3330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

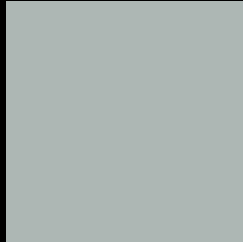
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0465, 0.3067, 0.3330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

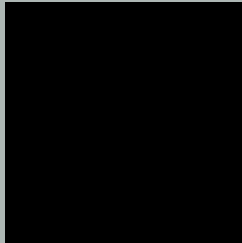
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

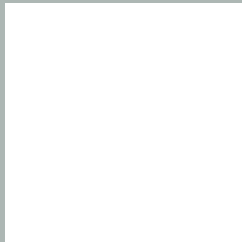
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0465, 0.3067, 0.3330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.0465, 0.3067, 0.3330.



This preview shows how white text looks on a background with the Yxy color 46.0465, 0.3067, 0.3330.

# 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

46.0465, 0.3067, 0.3330

### Protanopia

46.0472, 0.3178, 0.3316

### Deuteranopia

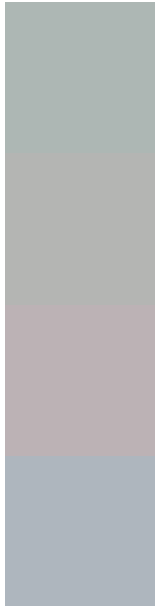
45.9077, 0.3265, 0.3202



## Tritanopia

46.1018, 0.2969, 0.3107

# Trichromacy



## Original Color

46.0465, 0.3067, 0.3330

## Protanomaly

46.0057, 0.3134, 0.3316

## Deuteranomaly

45.8684, 0.3190, 0.3252

## Tritanomaly

46.1723, 0.2999, 0.3185

# Monochromacy



## Original Color

46.0465, 0.3067, 0.3330

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.6901, 0.3101, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0465, 0.3067, 0.3330 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(173, 183, 180)` looks like.

```
.text, #text, p{  
    color:rgb(173, 183, 180)  
}
```

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(173, 183, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 183, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0465, 0.3067, 0.3330 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(173, 183, 180) }
```

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

```
.border{ border-color:rgb(173, 183, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 183, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 183, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 183, 180);  
box-shadow:4px 4px 4px 4px rgb(173, 183,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0465, 0.3067, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 183, 180) }
```

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

```
.background{ background-color: rgb(173,  
183, 180) }
```

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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