

# Converting Colors

$Y_{xy}(46.1048, 0.3277, 0.3964)$

Have a look what the booklet for  
Yxy(46.1048, 0.3277, 0.3964)  
contains.

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# Color

**Yxy(46.1048, 0.3277, 0.3964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3BD8D
RGB	163, 189, 141
RGB Percent	64%, 74%, 55%
CMY	0.3607, 0.2588, 0.4471
CMYK	0.14, 0.00, 0.25, 0.26
HSL	92°, 27%, 65%
HSV	92°, 25%, 74%
XYZ	38.1144, 46.1048, 32.0896
YIQ	175.7540, -0.0880, -20.4400

# Conversions

## Conversions Part 2

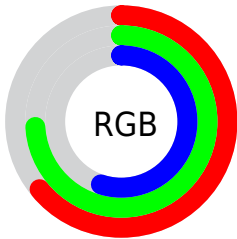
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 189, 167
Decimal	10730893
CIELab	73.61, -17.55, 21.41
CIElCh	74, 27.686, 129.347
Yxy	46.1048, 0.3277, 0.3964
Android (android.graphics.Color)	4288920973 (0xFFA3BD8D)
YUV	175.7540, -17.1337, -11.1853
Hunter-Lab	67.9005, -18.6290, 19.5101

# Details

The Yxy color **46.1048, 0.3277, 0.3964** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9360, 0.2939, 0.2625**, and the grayscale version is **43.3758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1504, 0.3251, 0.3831**, and **21.7260, 0.3316, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **44.5550, 0.3329, 0.4260**, and if you desaturate by 10%, it is **47.8419, 0.3219, 0.3683**.

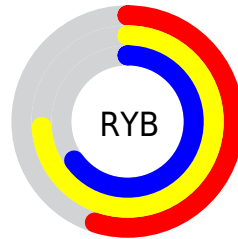
# Distribution



Red (64%)

Green (74%)

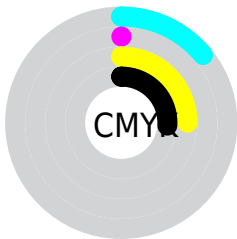
Blue (55%)



Red (55%)

Yellow (74%)

Blue (65%)

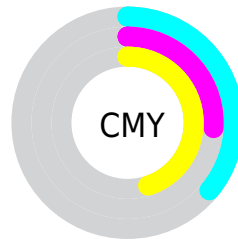


Cyan (14%)

Magenta (0%)

Yellow (25%)

Black (26%)



Cyan (36%)

Magenta (26%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1048, 0.3277, 0.3964 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 46.1048, 0.3277, 0.3964 by changing the saturation by 10% instead.





 46.1048, 0.3277,  
0.3964

 46.1048, 0.3277,  
0.3964


371.2298, 0.3208,  
0.3616

 32.3285, 0.3292,  
0.4054


 84.3758, 0.3254,  
0.3835

 21.6126, 0.3309,  
0.4172


 109.6394, 0.3244,  
0.3787

 13.5725, 0.3329,  
0.4331

 139.5008, 0.3236,  
0.3747

 7.8239, 0.3351,  
0.4558

174.3445, 0.3229,  
0.3713

 3.9825, 0.3367,  
0.4905

214.5548, 0.3223,  
0.3684

 1.6638, 0.3595,  
0.5895

260.5162, 0.3218,

 0.4000, 0.0000,

0.3658

1.0000

312.6131, 0.3213,  
0.3636

0.0000, 0.0000,  
0.0000

46.1048, 0.3277,  
0.3964

46.1048, 0.3277,  
0.3964

44.5550, 0.3329,  
0.4260

47.8419, 0.3219,  
0.3683

43.1796, 0.3372,  
0.4563

49.7667, 0.3160,  
0.3422

41.9731, 0.3402,  
0.4860

51.8875, 0.3100,  
0.3183

40.9275, 0.3415,  
0.5138

54.2101, 0.3041,  
0.2968

40.0339, 0.3409,  
0.5379

56.7402, 0.2985,  
0.2775

■ 39.2822, 0.3381,  
0.5570

■ 59.4829, 0.2932,  
0.2603

■ 38.6605, 0.3335,  
0.5703

■ 61.2083, 0.3004,  
0.2612

■ 38.4081, 0.3311,  
0.5753

■ 62.9951, 0.3080,  
0.2628

■ 64.8737, 0.3157,  
0.2644

# Harmonies

## Analogous

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



46.1048, 0.3634, 0.3960



46.1048, 0.3277, 0.3964



46.1048, 0.2894, 0.3750

# Triad

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



46.1048, 0.3277, 0.3964



46.1048, 0.2436, 0.2767



46.1048, 0.3688, 0.3161

# Complementary

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



46.1048, 0.3277, 0.3964



30.9360, 0.2939, 0.2625

# 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.



46.1048, 0.3334, 0.2887



46.1048, 0.3277, 0.3964



46.1048, 0.2618, 0.2661

# Square

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



46.1048, 0.3277, 0.3964



46.1048, 0.2424, 0.3026



46.1048, 0.2941, 0.2708



46.1048, 0.3886, 0.3477



# Rectangle

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



46.1048, 0.3277, 0.3964



46.1048, 0.2675, 0.3518



46.1048, 0.2941, 0.2708



46.1048, 0.3583, 0.3062

# Sweetspot

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



46.1068, 0.3277, 0.3964



88.1591, 0.3176, 0.3491



40.2322, 0.3573, 0.3636



18.8446, 0.3185, 0.3530



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

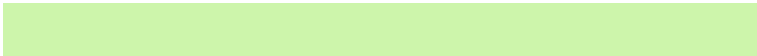


# Same Dimension

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



46.1068, 0.3277, 0.3964



81.1270, 0.3304, 0.4113



44.0277, 0.3082, 0.3978



10.8584, 0.3183, 0.3522



25.8876, 0.3320, 0.5746



1.0529, 0.3513, 0.5593



# Inverse Universe

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



30.9360, 0.2939, 0.2625



49.7045, 0.2892, 0.2480



33.4735, 0.3172, 0.2686



9.4727, 0.3066, 0.3059



4.4282, 0.2117, 0.0940



0.2119, 0.2371, 0.1080



# Previews

## White Background



This preview shows how the Yxy color 46.1048, 0.3277, 0.3964 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 46.1048, 0.3277, 0.3964 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

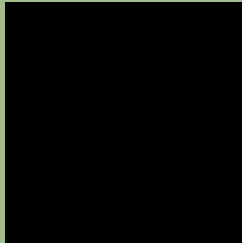
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.1048, 0.3277, 0.3964**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.1048, 0.3277, 0.3964.



This preview shows how white text looks on a background with the Yxy color 46.1048, 0.3277, 0.3964.

# 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

46.1048, 0.3277, 0.3964

### Protanopia

45.7861, 0.3603, 0.3852

### Deuteranopia

45.6024, 0.3728, 0.3651



## Tritanopia

46.0993, 0.2930, 0.3106

# Trichromacy



## Original Color

46.1048, 0.3277, 0.3964

## Protanomaly

45.6470, 0.3483, 0.3896

## Deuteranomaly

45.5608, 0.3555, 0.3761

## Tritanomaly

46.1573, 0.3055, 0.3412

# Monochromacy



## Original Color

46.1048, 0.3277, 0.3964

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.3500, 0.3185, 0.3537

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1048, 0.3277, 0.3964 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(163, 189, 141)` looks like.

```
.text, #text, p{  
    color:rgb(163, 189, 141)  
}
```

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(163, 189, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 189, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1048, 0.3277, 0.3964 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(163, 189, 141) }
```

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

```
.border{ border-color:rgb(163, 189, 141) }
```

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

Here you see how a box with a 4 pixel rgb(163, 189, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 189, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 189, 141);  
box-shadow:4px 4px 4px 4px rgb(163, 189,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1048, 0.3277, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 189, 141) }
```

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

```
.background{ background-color: rgb(163,  
189, 141) }
```

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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