

# Converting Colors

$Yxy(46.7039, 0.2955, 0.3761)$

Have a look what the booklet for  
Yxy(46.7039, 0.2955, 0.3761)  
contains.

<b>Yxy(46.8195, 0.2952, 0.3765)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.8195, 0.2952, 0.3765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DC2A1
RGB	141, 194, 161
RGB Percent	55%, 76%, 63%
CMY	0.4471, 0.2392, 0.3686
CMYK	0.27, 0.00, 0.17, 0.24
HSL	143°, 30%, 66%
HSV	143°, 27%, 76%
XYZ	36.7095, 46.8195, 40.8256
YIQ	174.3910, -20.9950, -21.4990

# Conversions

## Conversions Part 2

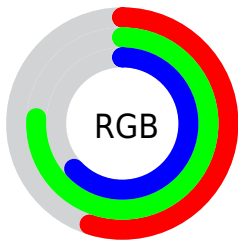
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 179, 194
Decimal	9290401
CIELab	74.07, -24.13, 11.08
CIElCh	74, 26.550, 155.329
Yxy	46.8195, 0.2952, 0.3765
Android (android.graphics.Color)	4287480481 (0xFF8DC2A1)
YUV	174.3910, -6.6018, -29.2839
Hunter-Lab	68.4248, -23.9792, 12.5220

# Details

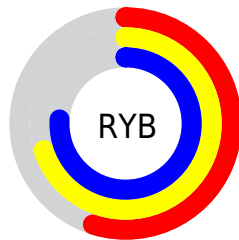
The Yxy color **46.8195, 0.2952, 0.3765** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.5741, 0.3356, 0.2859**, and the grayscale version is **42.5826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6880, 0.2987, 0.3675**, and **21.9841, 0.2898, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **44.8615, 0.2895, 0.3974**, and if you desaturate by 10%, it is **49.1205, 0.3014, 0.3575**.

# Distribution



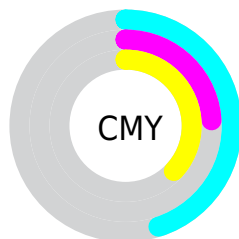
- Red (55%)
- Green (76%)
- Blue (63%)



- Red (55%)
- Yellow (70%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)




- Cyan (45%)
- Magenta (24%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8195, 0.2952, 0.3765 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 46.8195, 0.2952, 0.3765 by changing the saturation by 10% instead.



 46.8195, 0.2952,  
0.3765


 46.8195, 0.2952,  
0.3765


374.0936, 0.3043,  
0.3520


 32.8930, 0.2928,  
0.3829


 85.4441, 0.2986,  
0.3674

 22.0445, 0.2896,  
0.3912


 110.9110, 0.2999,  
0.3641

 13.8896, 0.2853,  
0.4025


 140.9935, 0.3009,  
0.3612

 8.0439, 0.2790,  
0.4189

176.0760, 0.3018,  
0.3588

 4.1231, 0.2690,  
0.4445

216.5428, 0.3026,  
0.3568

 1.7426, 0.2510,  
0.4899

262.7785, 0.3032,

 0.4510, 0.0000,

0.3550

1.0000

315.1672, 0.3038,  
0.3534

0.0000, 0.0000,  
0.0000

46.8195, 0.2952,  
0.3765

46.8195, 0.2952,  
0.3765

44.8615, 0.2895,  
0.3974

49.1205, 0.3014,  
0.3575

43.2238, 0.2846,  
0.4199

51.7740, 0.3079,  
0.3403

41.8904, 0.2809,  
0.4436

54.7966, 0.3145,  
0.3251

40.8410, 0.2787,  
0.4678

58.2021, 0.3210,  
0.3117

40.0533, 0.2782,  
0.4916

62.0033, 0.3273,  
0.2999

■ 39.5009, 0.2795,  
0.5142

■ 65.7549, 0.3314,  
0.2894

■ 39.1475, 0.2824,  
0.5347

■ 66.4707, 0.3224,  
0.2779

■ 39.0698, 0.2833,  
0.5398

■ 67.0654, 0.3155,  
0.2693

# Harmonies

## Analogous

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



46.8195, 0.3321, 0.3943



46.8195, 0.2952, 0.3765



46.8195, 0.2643, 0.3436

# Triad

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



46.8195, 0.2952, 0.3765



46.8195, 0.2609, 0.2693



46.8195, 0.3837, 0.3430

# Complementary

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



46.8195, 0.2952, 0.3765



33.5741, 0.3356, 0.2859

# 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.



46.8195, 0.3624, 0.3129



46.8195, 0.2952, 0.3765



46.8195, 0.2903, 0.2718

# Square

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



46.8195, 0.2952, 0.3765



46.8195, 0.2454, 0.2816



46.8195, 0.3275, 0.2875



46.8195, 0.3844, 0.3717



# Rectangle

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



46.8195, 0.2952, 0.3765



46.8195, 0.2507, 0.3194



46.8195, 0.3275, 0.2875



46.8195, 0.3787, 0.3328

# Sweetspot

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



46.8215, 0.2952, 0.3765



93.3863, 0.3074, 0.3416



49.5724, 0.3366, 0.4003



20.2816, 0.3064, 0.3442



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

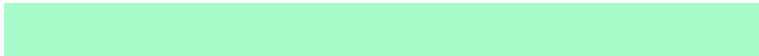


# Same Dimension

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



46.8215, 0.2952, 0.3765



82.5527, 0.2916, 0.3893



47.8329, 0.2779, 0.3387



11.3204, 0.3066, 0.3437



25.7009, 0.2826, 0.5373



1.1239, 0.2696, 0.4907



# Inverse Universe

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



33.5741, 0.3356, 0.2859



54.4282, 0.3424, 0.2758



32.6588, 0.3633, 0.3196



10.1809, 0.3194, 0.3148



8.4606, 0.4433, 0.2216



0.3786, 0.4092, 0.2028



# Previews

## White Background



This preview shows how the Yxy color 46.8195, 0.2952, 0.3765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

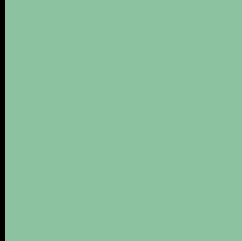
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8195, 0.2952, 0.3765 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

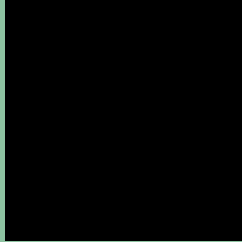
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8195, 0.2952, 0.3765**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8195, 0.2952, 0.3765.



This preview shows how white text looks on a background with the Yxy color 46.8195, 0.2952, 0.3765.

# 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

46.8195, 0.2952, 0.3765

### Protanopia

46.4572, 0.3438, 0.3643

### Deuteranopia

46.3557, 0.3485, 0.3416



## Tritanopia

46.6678, 0.2723, 0.3087

# Trichromacy



**Original Color**

46.8195, 0.2952, 0.3765

**Protanomaly**

46.4364, 0.3244, 0.3685

**Deuteranomaly**

46.0813, 0.3272, 0.3529

**Tritanomaly**

46.5687, 0.2802, 0.3317

# Monochromacy



**Original Color**

46.8195, 0.2952, 0.3765

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

43.5937, 0.3060, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8195, 0.2952, 0.3765 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(141, 194, 161)` looks like.

```
.text, #text, p{  
    color:rgb(141, 194, 161)  
}
```

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(141, 194, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 194, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8195, 0.2952, 0.3765 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(141, 194, 161) }
```

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

```
.border{ border-color:rgb(141, 194, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 194, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 194, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 194, 161); box-shadow:4px 4px 4px 4px rgb(141, 194, 161) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8195, 0.2952, 0.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 194, 161) }
```

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

```
.background{ background-color: rgb(141,  
194, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor