

# Converting Colors

$Yxy(45.8603, 0.2966, 0.3665)$

Have a look what the booklet for  
Yxy(45.8603, 0.2966, 0.3665)  
contains.

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# Color

**Yxy(46.0529, 0.2968, 0.3676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92BFA4
RGB	146, 191, 164
RGB Percent	57%, 75%, 64%
CMY	0.4275, 0.2510, 0.3569
CMYK	0.24, 0.00, 0.14, 0.25
HSL	144°, 26%, 66%
HSV	144°, 24%, 75%
XYZ	37.1831, 46.0529, 42.0439
YIQ	174.4670, -18.1530, -17.9370

# Conversions

## Conversions Part 2

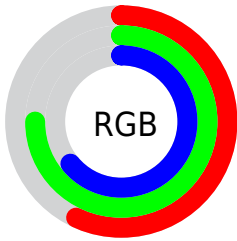
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">146, 178, 191</a>
Decimal	<a href="#">9617316</a>
CIELab	<a href="#">73.58, -20.44, 8.81</a>
CIELCh	<a href="#">74, 22.254, 156.682</a>
Yxy	<a href="#">46.0529, 0.2968, 0.3676</a>
Android (android.graphics.Color)	<a href="#">4287807396 (0xFF92BFA4)</a>
YUV	<a href="#">174.4670, -5.1602, -24.9656</a>
Hunter-Lab	<a href="#">67.8623, -20.9553, 10.7706</a>

# Details

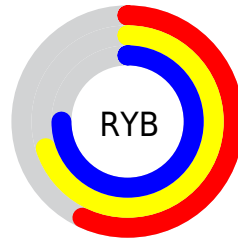
The Yxy color  $46.0529, 0.2968, 0.3676$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $34.6497, 0.3328, 0.2934$ , and the grayscale version is  $42.6137, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.6668, 0.3001, 0.3607$ , and  $21.4409, 0.2917, 0.3793$  is the 20% darker color. If you saturate the color by 10%, you get  $44.0525, 0.2906, 0.3870$ , and if you desaturate by 10%, it is  $48.3869, 0.3034, 0.3500$ .

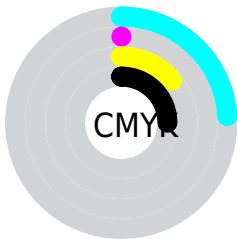
# Distribution



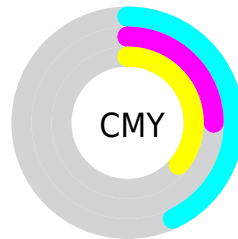
- Red (57%)
- Green (75%)
- Blue (64%)



- Red (57%)
- Yellow (70%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)




- Cyan (43%)
- Magenta (25%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0529, 0.2968, 0.3676 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 46.0529, 0.2968, 0.3676 by changing the saturation by 10% instead.





 46.0529, 0.2968,  
0.3676


 46.0529, 0.2968,  
0.3676

371.0213, 0.3050,  
0.3477

 32.2876, 0.2947,  
0.3727


 84.2982, 0.2999,  
0.3602

 21.5812, 0.2919,  
0.3795


 109.5469, 0.3010,  
0.3575

 13.5495, 0.2880,  
0.3886


139.3922, 0.3019,  
0.3552

 7.8080, 0.2825,  
0.4018

174.2185, 0.3027,  
0.3533

 3.9724, 0.2738,  
0.4224

214.4101, 0.3034,  
0.3516

 1.6581, 0.2582,  
0.4589

260.3515, 0.3040,

 0.3963, 0.0000,

0.3502

1.0000

312.4271, 0.3046,  
0.3489

0.0000, 0.0000,  
0.0000

46.0529, 0.2968,  
0.3676

46.0529, 0.2968,  
0.3676

44.0525, 0.2906,  
0.3870

48.3869, 0.3034,  
0.3500

42.3646, 0.2852,  
0.4081

51.0632, 0.3103,  
0.3342

40.9741, 0.2808,  
0.4305

54.0974, 0.3171,  
0.3202

39.8627, 0.2778,  
0.4537

57.5022, 0.3239,  
0.3079

39.0098, 0.2765,  
0.4771

61.2898, 0.3304,  
0.2971

■ 38.3920, 0.2770,  
0.4997

■ 64.3954, 0.3323,  
0.2870

■ 37.9810, 0.2793,  
0.5207

■ 65.0713, 0.3235,  
0.2762

■ 37.7917, 0.2814,  
0.5331

■ 65.7449, 0.3157,  
0.2663

# Harmonies

## Analogous

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



46.0529, 0.3280, 0.3833



46.0529, 0.2968, 0.3676



46.0529, 0.2708, 0.3400

# Triad

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



46.0529, 0.2968, 0.3676



46.0529, 0.2697, 0.2781



46.0529, 0.3728, 0.3425

# Complementary

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



46.0529, 0.2968, 0.3676



34.6497, 0.3328, 0.2934

# 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.



46.0529, 0.3557, 0.3166



46.0529, 0.2968, 0.3676



46.0529, 0.2952, 0.2806

# Square

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



46.0529, 0.2968, 0.3676



46.0529, 0.2558, 0.2884



46.0529, 0.3268, 0.2945



46.0529, 0.3728, 0.3665



# Rectangle

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



46.0529, 0.2968, 0.3676



46.0529, 0.2595, 0.3200



46.0529, 0.3268, 0.2945



46.0529, 0.3688, 0.3338

# Sweetspot

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



46.0548, 0.2968, 0.3676



89.6766, 0.3078, 0.3396



48.3100, 0.3328, 0.3900



19.6270, 0.3074, 0.3405



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

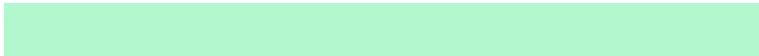


# Same Dimension

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



46.0548, 0.2968, 0.3676



80.6571, 0.2937, 0.3769



46.9098, 0.2818, 0.3362



10.7111, 0.3063, 0.3431



24.8490, 0.2807, 0.5306



0.9863, 0.2669, 0.4810



# Inverse Universe

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



34.6497, 0.3328, 0.2934



56.8648, 0.3380, 0.2857



33.8743, 0.3553, 0.3220



9.6299, 0.3197, 0.3153



8.1036, 0.4520, 0.2264



0.3300, 0.4127, 0.2047



# Previews

## White Background



This preview shows how the Yxy color 46.0529, 0.2968, 0.3676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

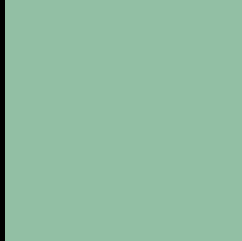
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0529, 0.2968, 0.3676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

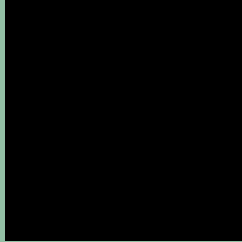
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

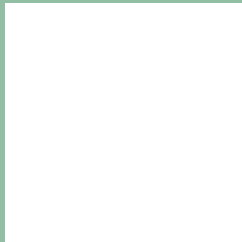
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0529, 0.2968, 0.3676**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0529, 0.2968, 0.3676.



This preview shows how white text looks on a background with the Yxy color 46.0529, 0.2968, 0.3676.

# 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

46.0529, 0.2968, 0.3676

### Protanopia

45.9300, 0.3388, 0.3579

### Deuteranopia

45.6558, 0.3433, 0.3366



## Tritanopia

46.1072, 0.2762, 0.3088

# Trichromacy



**Original Color**

46.0529, 0.2968, 0.3676

**Protanomaly**

45.7033, 0.3223, 0.3617

**Deuteranomaly**

45.3776, 0.3250, 0.3463

**Tritanomaly**

46.0813, 0.2829, 0.3289

# Monochromacy



**Original Color**

46.0529, 0.2968, 0.3676

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

43.4373, 0.3069, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0529, 0.2968, 0.3676 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(146, 191, 164)` looks like.

```
.text, #text, p{  
    color:rgb(146, 191, 164)  
}
```

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(146, 191, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 191, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0529, 0.2968, 0.3676 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(146, 191, 164) }
```

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

```
.border{ border-color:rgb(146, 191, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 191, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 191, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 191, 164);  
box-shadow:4px 4px 4px 4px rgb(146, 191,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0529, 0.2968, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 191, 164) }
```

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

```
.background{ background-color: rgb(146,  
191, 164) }
```

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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