

# Converting Colors

$Y_{xy}(45.7154, 0.2943, 0.3157)$

Have a look what the booklet for  
Yxy(45.7154, 0.2943, 0.3157)  
contains.

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# Color

**Yxy(45.6967, 0.2943, 0.3157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9B6C0
RGB	169, 182, 192
RGB Percent	66%, 71%, 75%
CMY	0.3374, 0.2862, 0.2470
CMYK	0.12, 0.05, 0.00, 0.25
HSL	206°, 15%, 71%
HSV	206°, 12%, 75%
XYZ	42.5991, 45.6967, 56.4514
YIQ	179.2530, -10.9580, 0.3540

# Conversions

## Conversions Part 2

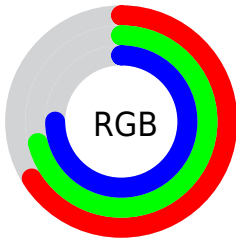
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 177, 192
Decimal	11122368
CIE Lab	73.35, -2.48, -6.62
CIE LCh	73, 7.071, 249.454
Yxy	45.6967, 0.2943, 0.3157
Android (android.graphics.Color)	4289312448 (0xFFA9B6C0)
YUV	179.2530, 6.2843, -8.9919
Hunter-Lab	67.5993, -5.8134, -2.1929

# Details

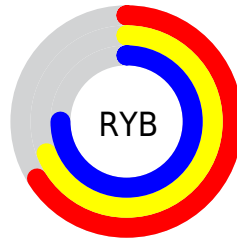
The Yxy color  $45.6967, 0.2943, 0.3157$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $46.2956, 0.3325, 0.3419$ , and the grayscale version is  $45.1896, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.7737, 0.2977, 0.3187$ , and  $21.3465, 0.2889, 0.3108$  is the 20% darker color. If you saturate the color by 10%, you get  $40.4181, 0.2786, 0.3033$ , and if you desaturate by 10%, it is  $51.4939, 0.3097, 0.3269$ .

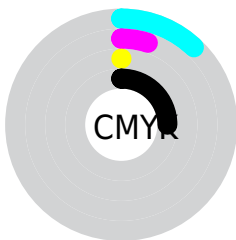
# Distribution



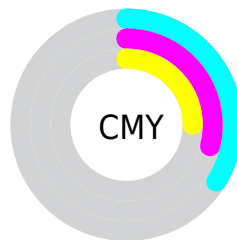
- Red (66%)
- Green (71%)
- Blue (75%)



- Red (66%)
- Yellow (69%)
- Blue (75%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)




- Cyan (34%)
- Magenta (29%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6967, 0.2943, 0.3157 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 45.6967, 0.2943, 0.3157 by changing the saturation by 10% instead.




 45.6967, 0.2943,  
0.3157


 45.6967, 0.2943,  
0.3157


369.5879, 0.3035,  
0.3224

 32.0065, 0.2920,  
0.3140


 83.7649, 0.2976,  
0.3182

 21.3665, 0.2891,  
0.3118


 108.9117, 0.2989,  
0.3191

 13.3922, 0.2851,  
0.3089


138.6463, 0.3000,  
0.3198

 7.6991, 0.2797,  
0.3048

173.3529, 0.3009,  
0.3205

 3.9030, 0.2715,  
0.2986

213.4159, 0.3017,  
0.3211

 1.6195, 0.2581,  
0.2882

259.2199, 0.3023,

 0.3707, 0.1908,

0.3216

0.2424

311.1491, 0.3030,  
0.3220

0.0000, 0.0000,  
0.0000

45.6967, 0.2943,  
0.3157

45.6967, 0.2943,  
0.3157

40.4181, 0.2786,  
0.3033

51.4939, 0.3097,  
0.3269

35.6353, 0.2628,  
0.2897

57.8201, 0.3245,  
0.3369

31.3322, 0.2473,  
0.2750

64.6925, 0.3387,  
0.3458

27.4892, 0.2325,  
0.2593

72.1258, 0.3521,  
0.3536

24.0853, 0.2188,  
0.2429

78.1943, 0.3573,  
0.3613

■ 21.0973, 0.2066,  
0.2261

■ 82.7726, 0.3553,  
0.3695

■ 18.4989, 0.1964,  
0.2093

■ 87.5730, 0.3534,  
0.3774

■ 16.2598, 0.1885,  
0.1928

■ 92.5987, 0.3516,  
0.3852

■ 14.6849, 0.1834,  
0.1800

■ 96.5864, 0.3502,  
0.3909

# Harmonies

## Analogous

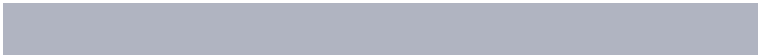
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.6967, 0.2940, 0.3228



45.6967, 0.2943, 0.3157



45.6967, 0.2995, 0.3122

# Triad

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



45.6967, 0.2943, 0.3157



45.6967, 0.3270, 0.3260



45.6967, 0.3170, 0.3455

# Complementary

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



45.6967, 0.2943, 0.3157



46.2956, 0.3325, 0.3419

# 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.



45.6967, 0.3260, 0.3461



45.6967, 0.2943, 0.3157



45.6967, 0.3318, 0.3347

# Square

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



45.6967, 0.2943, 0.3157



45.6967, 0.3183, 0.3182



45.6967, 0.3315, 0.3421



45.6967, 0.3070, 0.3402



# Rectangle

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



45.6967, 0.2943, 0.3157



45.6967, 0.3050, 0.3124



45.6967, 0.3315, 0.3421



45.6967, 0.3202, 0.3462

# Sweetspot

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



45.6986, 0.2943, 0.3157



91.0510, 0.3066, 0.3247



49.3885, 0.3039, 0.3464



19.3584, 0.3054, 0.3239



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

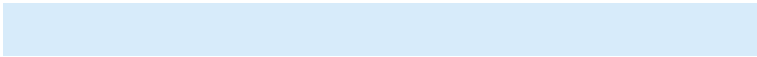


# Same Dimension

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



45.6986, 0.2943, 0.3157



80.5888, 0.2908, 0.3131



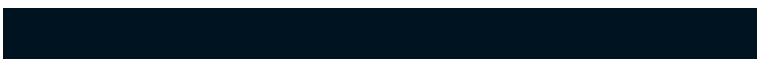
41.1734, 0.2940, 0.3001



10.6731, 0.2984, 0.3188



10.0371, 0.1839, 0.1820



0.5687, 0.1939, 0.2181



# Inverse Universe

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



42.9475, 0.3226, 0.3123



74.8448, 0.3247, 0.3091



51.1050, 0.3306, 0.3564



10.1713, 0.3202, 0.3160



8.2955, 0.4661, 0.2341

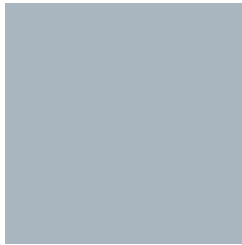


0.3721, 0.4253, 0.2116



# Previews

## White Background



This preview shows how the Yxy color 45.6967, 0.2943, 0.3157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

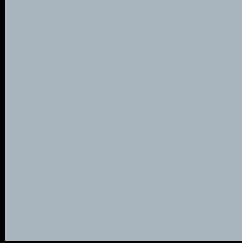
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6967, 0.2943, 0.3157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

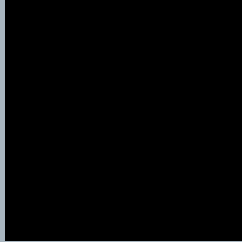
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

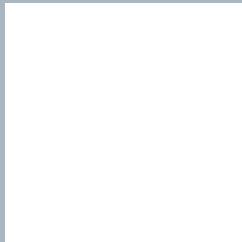
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.6967, 0.2943, 0.3157**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6967, 0.2943, 0.3157.



This preview shows how white text looks on a background with the Yxy color 45.6967, 0.2943, 0.3157.

# 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

45.6967, 0.2943, 0.3157

### Protanopia

45.6612, 0.3049, 0.3147

### Deuteranopia

45.5866, 0.3120, 0.3063



## Tritanopia

45.5793, 0.2922, 0.3092

# Trichromacy



## Original Color

45.6967, 0.2943, 0.3157

## Protanomaly

45.6342, 0.3008, 0.3146

## Deuteranomaly

45.7583, 0.3051, 0.3097

## Tritanomaly

45.5339, 0.2929, 0.3105

# Monochromacy



## Original Color

45.6967, 0.2943, 0.3157

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.2172, 0.3053, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6967, 0.2943, 0.3157 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(169, 182, 192) looks like.

```
.text, #text, p{  
    color:rgb(169, 182, 192)  
}
```

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(169, 182, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 182, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6967, 0.2943, 0.3157 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(169, 182, 192) }
```

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

```
.border{ border-color:rgb(169, 182, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 182, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 182, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 182, 192);  
box-shadow:4px 4px 4px 4px rgb(169, 182,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6967, 0.2943, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 182, 192) }
```

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

```
.background{ background-color: rgb(169,  
182, 192) }
```

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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