

# Converting Colors

$Y_{xy}(45.4282, 0.2953, 0.3234)$

Have a look what the booklet for  
Yxy(45.4282, 0.2953, 0.3234)  
contains.

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# Color

**Yxy(45.5618, 0.2957, 0.3236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6B7BB
RGB	166, 183, 187
RGB Percent	65%, 72%, 73%
CMY	0.3489, 0.2824, 0.2667
CMYK	0.11, 0.02, 0.00, 0.27
HSL	191°, 13%, 69%
HSV	191°, 11%, 73%
XYZ	41.6336, 45.5618, 53.6013
YIQ	178.3730, -11.4160, -2.3600

# Conversions

## Conversions Part 2

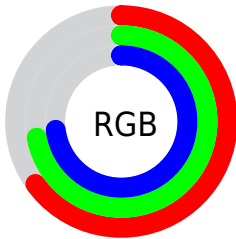
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 175, 187
Decimal	10926011
CIE Lab	73.26, -5.02, -4.02
CIE LCh	73, 6.429, 218.729
Yxy	45.5618, 0.2957, 0.3236
Android (android.graphics.Color)	4289116091 (0xFFA6B7BB)
YUV	178.3730, 4.2531, -10.8511
Hunter-Lab	67.4995, -8.0256, 0.1675

# Details

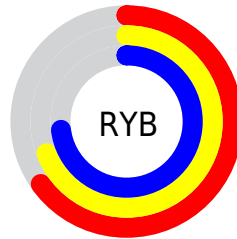
The Yxy color **45.5618, 0.2957, 0.3236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.0765, 0.3318, 0.3343**, and the grayscale version is **44.7140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5762, 0.2987, 0.3248**, and **21.2639, 0.2907, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **42.2378, 0.2809, 0.3183**, and if you desaturate by 10%, it is **49.2205, 0.3109, 0.3285**.

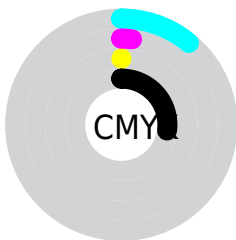
# Distribution



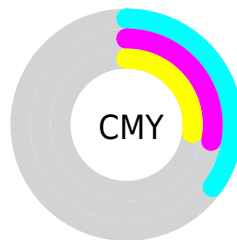
- Red (65%)
- Green (72%)
- Blue (73%)



- Red (65%)
- Yellow (69%)
- Blue (73%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)




- Cyan (35%)
- Magenta (28%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5618, 0.2957, 0.3236 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 45.5618, 0.2957, 0.3236 by changing the saturation by 10% instead.





 45.5618, 0.2957,  
0.3236


 45.5618, 0.2957,  
0.3236


369.0441, 0.3042,  
0.3264

 31.9002, 0.2936,  
0.3229


 83.5628, 0.2988,  
0.3246

 21.2853, 0.2908,  
0.3220


 108.6710, 0.3000,  
0.3250

 13.3327, 0.2872,  
0.3207


138.3635, 0.3009,  
0.3253

 7.6580, 0.2821,  
0.3189

173.0246, 0.3018,  
0.3256

 3.8769, 0.2746,  
0.3161

213.0389, 0.3025,  
0.3258

 1.6050, 0.2620,  
0.3113

258.7906, 0.3031,

 0.3609, 0.1757,

0.3260

0.2874

310.6642, 0.3037,  
0.3262

0.0000, 0.0000,  
0.0000

45.5618, 0.2957,  
0.3236

45.5618, 0.2957,  
0.3236

42.2378, 0.2809,  
0.3183

49.2205, 0.3109,  
0.3285

39.2300, 0.2667,  
0.3126

53.2203, 0.3262,  
0.3328

36.5264, 0.2534,  
0.3064

57.5746, 0.3413,  
0.3368

34.1121, 0.2414,  
0.3000

62.2943, 0.3561,  
0.3402

31.9707, 0.2310,  
0.2933

66.5200, 0.3668,  
0.3435

■ 30.0841, 0.2223,  
0.2865

■ 68.1958, 0.3659,  
0.3471

■ 28.4316, 0.2155,  
0.2796

■ 69.9103, 0.3650,  
0.3508

■ 26.9885, 0.2106,  
0.2728

■ 71.6637, 0.3640,  
0.3544

■ 25.8493, 0.2075,  
0.2668

■ 73.4562, 0.3631,  
0.3579

# Harmonies

## Analogous

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



45.5618, 0.3000, 0.3318



45.5618, 0.2957, 0.3236



45.5618, 0.2959, 0.3170

# Triad

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



45.5618, 0.2957, 0.3236



45.5618, 0.3176, 0.3190



45.5618, 0.3250, 0.3445

# Complementary

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



45.5618, 0.2957, 0.3236



42.0765, 0.3318, 0.3343

# 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.



45.5618, 0.3298, 0.3408



45.5618, 0.2957, 0.3236



45.5618, 0.3256, 0.3261

# Square

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



45.5618, 0.2957, 0.3236



45.5618, 0.3084, 0.3145



45.5618, 0.3301, 0.3340



45.5618, 0.3168, 0.3440



# Rectangle

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



45.5618, 0.2957, 0.3236



45.5618, 0.2985, 0.3144



45.5618, 0.3301, 0.3340



45.5618, 0.3270, 0.3437

# Sweetspot

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



45.5637, 0.2957, 0.3236



86.9170, 0.3081, 0.3276



46.5413, 0.3085, 0.3523



19.0209, 0.3068, 0.3272



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.



45.5637, 0.2957, 0.3236



80.3782, 0.2927, 0.3226



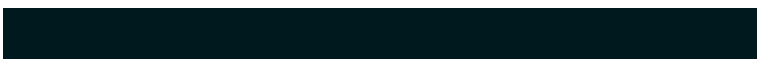
41.4605, 0.2955, 0.3095



10.4925, 0.2985, 0.3245



17.9147, 0.2077, 0.2676



0.7826, 0.2122, 0.2839



# Inverse Universe

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



41.2690, 0.3174, 0.3069



71.4608, 0.3183, 0.3028



46.1007, 0.3302, 0.3478



9.6643, 0.3166, 0.3106



8.8382, 0.3751, 0.1840



0.3544, 0.3599, 0.1756



# Previews

## White Background



This preview shows how the Yxy color 45.5618, 0.2957, 0.3236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

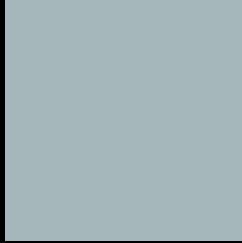
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.5618, 0.2957, 0.3236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

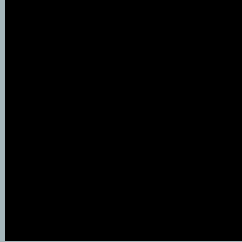
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

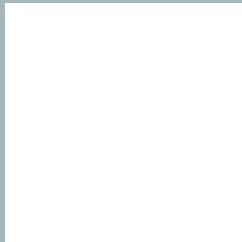
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.5618, 0.2957, 0.3236**

## Background



This preview shows how black text looks on a background with the Yxy color 45.5618, 0.2957, 0.3236.



This preview shows how white text looks on a background with the Yxy color 45.5618, 0.2957, 0.3236.

# 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

45.5618, 0.2957, 0.3236

### Protanopia

45.5246, 0.3104, 0.3225

### Deuteranopia

45.2837, 0.3171, 0.3101



## Tritanopia

45.7663, 0.2906, 0.3105

# Trichromacy



## Original Color

45.5618, 0.2957, 0.3236

## Protanomaly

45.3754, 0.3054, 0.3224

## Deuteranomaly

45.1424, 0.3091, 0.3147

## Tritanomaly

45.5216, 0.2920, 0.3143

# Monochromacy



## Original Color

45.5618, 0.2957, 0.3236

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.9774, 0.3068, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5618, 0.2957, 0.3236 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(166, 183, 187)` looks like.

```
.text, #text, p{  
    color:rgb(166, 183, 187)  
}
```

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(166, 183, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 183, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5618, 0.2957, 0.3236 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(166, 183, 187) }
```

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

```
.border{ border-color:rgb(166, 183, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 183, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 183, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 183, 187); box-shadow:4px 4px 4px 4px rgb(166, 183, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5618, 0.2957, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 183, 187) }
```

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

```
.background{ background-color: rgb(166,  
183, 187) }
```

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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