

# Converting Colors

$Y_{xy}(45.7990, 0.3082, 0.3304)$

Have a look what the booklet for  
Yxy(45.7990, 0.3082, 0.3304)  
contains.

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# Color

**Yxy(45.9061, 0.3076, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFB6B5
RGB	175, 182, 181
RGB Percent	69%, 71%, 71%
CMY	0.3136, 0.2863, 0.2902
CMYK	0.04, 0.00, 0.01, 0.29
HSL	171°, 5%, 70%
HSV	171°, 4%, 71%
XYZ	42.7512, 45.9061, 50.3258
YIQ	179.7930, -3.8510, -1.7950

# Conversions

## Conversions Part 2

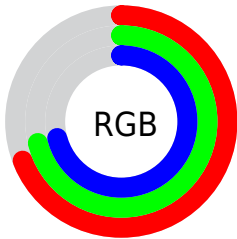
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 179, 182
Decimal	11515573
CIELab	73.48, -2.61, -0.35
CIELCh	73, 2.638, 187.645
Yxy	45.9061, 0.3076, 0.3303
Android (android.graphics.Color)	4289705653 (0xFFAFB6B5)
YUV	179.7930, 0.5951, -4.2035
Hunter-Lab	67.7540, -5.9403, 3.3889

# Details

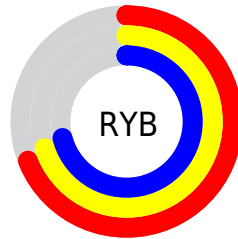
The Yxy color **45.9061, 0.3076, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7480, 0.3181, 0.3277**, and the grayscale version is **45.5260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2524, 0.3087, 0.3300**, and **21.4700, 0.3068, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **43.8364, 0.2946, 0.3339**, and if you desaturate by 10%, it is **48.2655, 0.3211, 0.3270**.

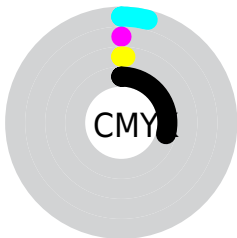
# Distribution



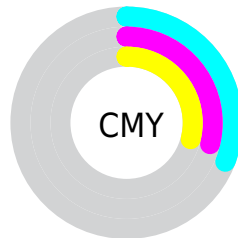
- Red (69%)
- Green (71%)
- Blue (71%)



- Red (69%)
- Yellow (70%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9061, 0.3076, 0.3303 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 45.9061, 0.3076, 0.3303 by changing the saturation by 10% instead.



■ 45.9061, 0.3076,  
0.3303

■ 45.9061, 0.3076,  
0.3303

370.4310, 0.3102,  
0.3297

■ 32.1717, 0.3070,  
0.3305

■ 84.0785, 0.3085,  
0.3301

■ 21.4927, 0.3061,  
0.3307

109.2852, 0.3089,  
0.3300

■ 13.4846, 0.3050,  
0.3309

139.0849, 0.3092,  
0.3299

■ 7.7631, 0.3035,  
0.3313

173.8619, 0.3094,  
0.3298

■ 3.9437, 0.3011,  
0.3319

214.0006, 0.3097,  
0.3298

■ 1.6421, 0.2972,  
0.3328

259.8855, 0.3098,

■ 0.3858, 0.2673,

0.3297

0.3404

311.9008, 0.3100,  
0.3297

0.0000, 0.0000,  
0.0000

45.9061, 0.3076,  
0.3303

45.9061, 0.3076,  
0.3303

43.8364, 0.2946,  
0.3339

48.2655, 0.3211,  
0.3270

42.0393, 0.2824,  
0.3379

50.9194, 0.3347,  
0.3241

40.5047, 0.2711,  
0.3422

53.8800, 0.3484,  
0.3214

39.2197, 0.2612,  
0.3467

57.1567, 0.3619,  
0.3191

38.1702, 0.2528,  
0.3514

58.6085, 0.3658,  
0.3167

■ 37.3408, 0.2461,  
0.3563

■ 58.7259, 0.3636,  
0.3140

■ 36.7143, 0.2414,  
0.3613

■ 58.8453, 0.3613,  
0.3113

■ 36.2706, 0.2385,  
0.3663

■ 58.9668, 0.3591,  
0.3087

■ 35.9860, 0.2374,  
0.3712

■ 59.0903, 0.3568,  
0.3060

# Harmonies

## Analogous

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



45.9061, 0.3108, 0.3333



45.9061, 0.3076, 0.3303



45.9061, 0.3058, 0.3270

# Triad

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



45.9061, 0.3076, 0.3303



45.9061, 0.3109, 0.3230



45.9061, 0.3197, 0.3338

# Complementary

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



45.9061, 0.3076, 0.3303



43.7480, 0.3181, 0.3277

# 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.



45.9061, 0.3198, 0.3310



45.9061, 0.3076, 0.3303



45.9061, 0.3146, 0.3248

# Square

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



45.9061, 0.3076, 0.3303



45.9061, 0.3076, 0.3228



45.9061, 0.3179, 0.3277



45.9061, 0.3178, 0.3353



# Rectangle

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



45.9061, 0.3076, 0.3303



45.9061, 0.3055, 0.3250



45.9061, 0.3179, 0.3277



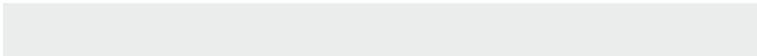
45.9061, 0.3200, 0.3330

# Sweetspot

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



45.9081, 0.3076, 0.3303



84.3832, 0.3114, 0.3293



45.7892, 0.3132, 0.3383



18.6425, 0.3114, 0.3293



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



45.9081, 0.3076, 0.3303



82.7348, 0.3059, 0.3307



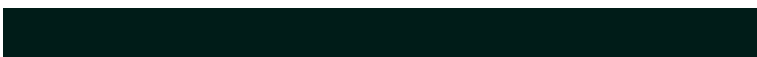
44.9573, 0.3069, 0.3257



10.3676, 0.3053, 0.3309



25.3310, 0.2371, 0.3737



0.8991, 0.2336, 0.3609



# Inverse Universe

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



43.7480, 0.3181, 0.3277



77.5840, 0.3199, 0.3273



44.6683, 0.3187, 0.3322



9.6567, 0.3207, 0.3271



7.0816, 0.6186, 0.3182



0.2563, 0.5603, 0.2860



# Previews

## White Background



This preview shows how the Yxy color 45.9061, 0.3076, 0.3303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

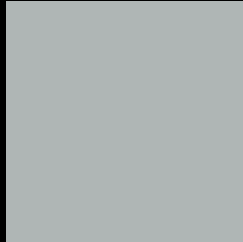
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9061, 0.3076, 0.3303 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

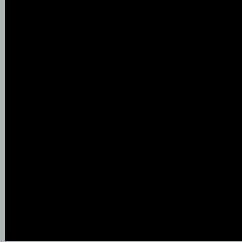
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

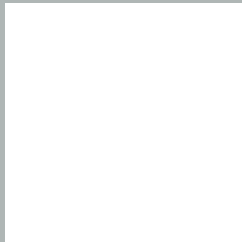
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.9061, 0.3076, 0.3303**

## Background



This preview shows how black text looks on a background with the Yxy color 45.9061, 0.3076, 0.3303.



This preview shows how white text looks on a background with the Yxy color 45.9061, 0.3076, 0.3303.

# 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

45.9061, 0.3076, 0.3303

### Protanopia

45.7258, 0.3162, 0.3277

### Deuteranopia

45.9077, 0.3265, 0.3202



## Tritanopia

45.8847, 0.2993, 0.3108

# Trichromacy



## Original Color

45.9061, 0.3076, 0.3303

## Protanomaly

45.7616, 0.3136, 0.3290

## Deuteranomaly

46.0370, 0.3191, 0.3239

## Tritanomaly

45.9520, 0.3023, 0.3185

# Monochromacy



## Original Color

45.9061, 0.3076, 0.3303

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.8080, 0.3109, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9061, 0.3076, 0.3303 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(175, 182, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 182, 181)  
}
```

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(175, 182, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 182, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9061, 0.3076, 0.3303 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(175, 182, 181) }
```

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

```
.border{ border-color:rgb(175, 182, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 182, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 182, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 182, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 182,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9061, 0.3076, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 182, 181) }
```

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

```
.background{ background-color: rgb(175,  
182, 181) }
```

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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