

# Converting Colors

$Yxy(47.2567, 0.3002, 0.3310)$

Have a look what the booklet for  
Yxy(47.2567, 0.3002, 0.3310)  
contains.

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# Color

**Yxy(47.1666, 0.3004, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABAB9
RGB	170, 186, 185
RGB Percent	67%, 73%, 73%
CMY	0.3332, 0.2706, 0.2745
CMYK	0.09, 0.00, 0.01, 0.27
HSL	176°, 10%, 70%
HSV	176°, 9%, 73%
XYZ	42.8969, 47.1666, 52.7358
YIQ	181.1020, -9.2150, -3.7030

# Conversions

## Conversions Part 2

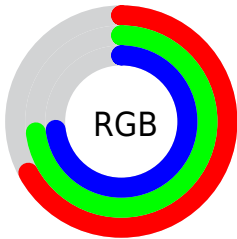
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 178, 186
Decimal	11188921
CIELab	74.30, -5.68, -1.38
CIELCh	74, 5.844, 193.675
Yxy	47.1666, 0.3004, 0.3303
Android (android.graphics.Color)	4289379001 (0xFFAABAB9)
YUV	181.1020, 1.9217, -9.7365
Hunter-Lab	68.6779, -8.6936, 2.5475

# Details

The Yxy color **47.1666, 0.3004, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.1410, 0.3265, 0.3277**, and the grayscale version is **46.2626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8627, 0.3024, 0.3300**, and **22.2926, 0.2971, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **45.1904, 0.2867, 0.3320**, and if you desaturate by 10%, it is **49.4405, 0.3148, 0.3288**.

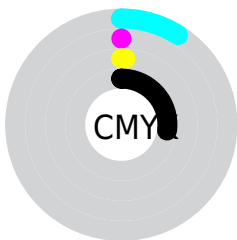
# Distribution



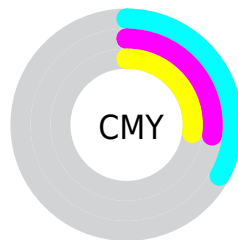
- Red (67%)
- Green (73%)
- Blue (73%)



- Red (67%)
- Yellow (70%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)




- Cyan (33%)
- Magenta (27%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1666, 0.3004, 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 47.1666, 0.3004, 0.3303 by changing the saturation by 10% instead.



 47.1666, 0.3004,  
0.3303

 47.1666, 0.3004,  
0.3303


375.4791, 0.3065,  
0.3297

 33.1674, 0.2989,  
0.3304


 85.9623, 0.3026,  
0.3301

 22.2547, 0.2969,  
0.3306


111.5275, 0.3035,  
0.3300

 14.0442, 0.2943,  
0.3309


141.7168, 0.3042,  
0.3299

 8.1514, 0.2907,  
0.3312

176.9147, 0.3048,  
0.3299

 4.1920, 0.2853,  
0.3316

217.5054, 0.3053,  
0.3298

 1.7815, 0.2764,  
0.3323

263.8735, 0.3058,

 0.4756, 0.2233,

0.3298

0.3389

316.4033, 0.3062,  
0.3297

0.0000, 0.0000,  
0.0000

47.1666, 0.3004,  
0.3303

47.1666, 0.3004,  
0.3303

45.1904, 0.2867,  
0.3320

49.4405, 0.3148,  
0.3288

43.4936, 0.2740,  
0.3337

52.0177, 0.3296,  
0.3274

42.0652, 0.2626,  
0.3356


54.9110, 0.3446,  
0.3262


40.8910, 0.2527,  
0.3376

58.1307, 0.3595,  
0.3252

39.9555, 0.2446,  
0.3397

60.1324, 0.3675,  
0.3241

 39.2416, 0.2383,  
0.3418


 60.1842, 0.3665,  
0.3229

 38.7299, 0.2339,  
0.3439

 60.2365, 0.3655,  
0.3216

 38.3976, 0.2313,  
0.3460

 60.2892, 0.3645,  
0.3204

 38.2064, 0.2302,  
0.3480

 60.3423, 0.3635,  
0.3192

# Harmonies

## Analogous

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



47.1666, 0.3069, 0.3373



47.1666, 0.3004, 0.3303



47.1666, 0.2971, 0.3230

# Triad

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



47.1666, 0.3004, 0.3303



47.1666, 0.3102, 0.3164



47.1666, 0.3276, 0.3404

# Complementary

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



47.1666, 0.3004, 0.3303



42.1410, 0.3265, 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.



47.1666, 0.3286, 0.3347



47.1666, 0.3004, 0.3303



47.1666, 0.3184, 0.3209

# Square

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



47.1666, 0.3004, 0.3303



47.1666, 0.3028, 0.3152



47.1666, 0.3252, 0.3276



47.1666, 0.3227, 0.3431



# Rectangle

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



47.1666, 0.3004, 0.3303



47.1666, 0.2973, 0.3191



47.1666, 0.3252, 0.3276



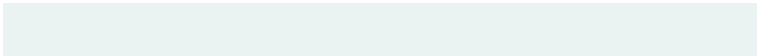
47.1666, 0.3284, 0.3387

# Sweetspot

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



47.1686, 0.3004, 0.3303



87.7106, 0.3083, 0.3295



46.6888, 0.3126, 0.3506



19.2418, 0.3071, 0.3296



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.



47.1686, 0.3004, 0.3303



84.8967, 0.2982, 0.3306



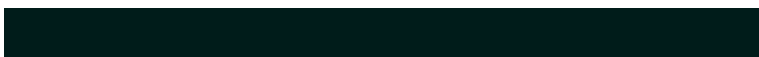
44.3659, 0.2996, 0.3197



10.2006, 0.2994, 0.3304



25.6931, 0.2300, 0.3480



0.9087, 0.2285, 0.3427



# Inverse Universe

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



42.1410, 0.3265, 0.3277



74.2210, 0.3293, 0.3275



44.7664, 0.3264, 0.3381



9.0212, 0.3278, 0.3276



7.0446, 0.6320, 0.3255

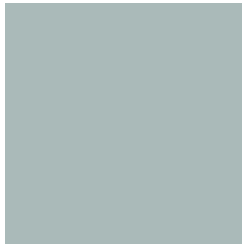


0.2515, 0.6012, 0.3086



# Previews

## White Background



This preview shows how the Yxy color 47.1666, 0.3004, 0.3303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

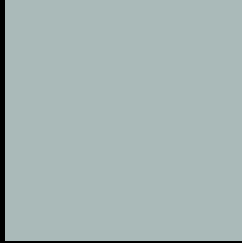
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.1666, 0.3004, 0.3303 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

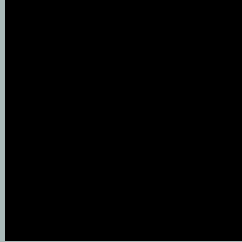
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

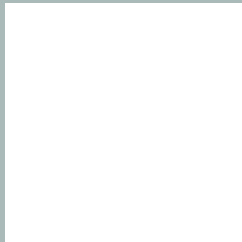
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.1666, 0.3004, 0.3303**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.1666, 0.3004, 0.3303.

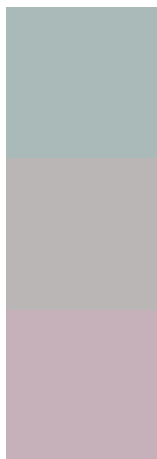


This preview shows how white text looks on a background with the Yxy color 47.1666, 0.3004, 0.3303.

# 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

47.1666, 0.3004, 0.3303

### Protanopia

47.2724, 0.3161, 0.3290

### Deuteranopia

47.0379, 0.3229, 0.3166



## Tritanopia

47.1752, 0.2917, 0.3095

# Trichromacy



## Original Color

47.1666, 0.3004, 0.3303

## Protanomaly

46.9892, 0.3102, 0.3290

## Deuteranomaly

46.8791, 0.3148, 0.3213

## Tritanomaly

47.2509, 0.2945, 0.3172

# Monochromacy



## Original Color

47.1666, 0.3004, 0.3303

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.5915, 0.3084, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.1666, 0.3004, 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(170, 186, 185)` looks like.

```
.text, #text, p{  
    color:rgb(170, 186, 185)  
}
```

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(170, 186, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 186, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 47.1666, 0.3004, 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(170, 186, 185) }
```

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

```
.border{ border-color:rgb(170, 186, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 186, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 186, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 186, 185); box-shadow:4px 4px 4px 4px rgb(170, 186, 185) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.1666, 0.3004, 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(170, 186, 185) }
```

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

```
.background{ background-color: rgb(170,  
186, 185) }
```

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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