

# Converting Colors

$Yxy(47.2945, 0.3047, 0.3388)$

Have a look what the booklet for  
Yxy(47.2945, 0.3047, 0.3388)  
contains.

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# Color

**Yxy(47.3414, 0.3048, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABBB3
RGB	170, 187, 179
RGB Percent	67%, 73%, 70%
CMY	0.3335, 0.2666, 0.2981
CMYK	0.09, 0.00, 0.04, 0.27
HSL	152°, 11%, 70%
HSV	152°, 9%, 73%
XYZ	42.4777, 47.3414, 49.5433
YIQ	181.0050, -7.5640, -6.0920

# Conversions

## Conversions Part 2

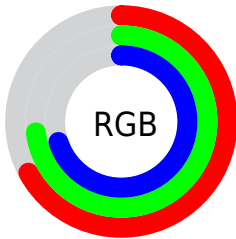
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 181, 187
Decimal	11189171
CIELab	74.41, -7.41, 2.05
CIELCh	74, 7.689, 164.567
Yxy	47.3414, 0.3048, 0.3397
Android (android.graphics.Color)	4289379251 (0xFFAABBB3)
YUV	181.0050, -0.9885, -9.6514
Hunter-Lab	68.8051, -10.2098, 5.4716

# Details

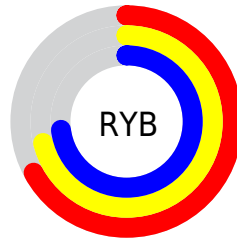
The Yxy color  $47.3414, 0.3048, 0.3397$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $42.5154, 0.3214, 0.3185$ , and the grayscale version is  $46.2173, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.1069, 0.3059, 0.3373$ , and  $22.4081, 0.3031, 0.3437$  is the 20% darker color. If you saturate the color by 10%, you get  $45.0612, 0.2963, 0.3527$ , and if you desaturate by 10%, it is  $49.9448, 0.3135, 0.3280$ .

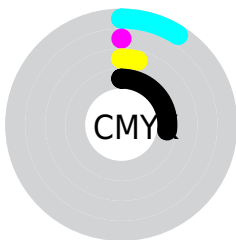
# Distribution



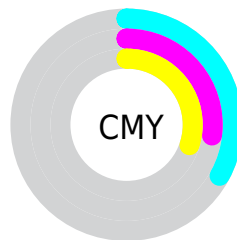
- Red (67%)
- Green (73%)
- Blue (70%)



- Red (67%)
- Yellow (71%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)




- Cyan (33%)
- Magenta (27%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3414, 0.3048, 0.3397 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 47.3414, 0.3048, 0.3397 by changing the saturation by 10% instead.




 47.3414, 0.3048,  
0.3397

 47.3414, 0.3048,  
0.3397

376.1756, 0.3088,  
0.3343

 33.3056, 0.3038,  
0.3411


 86.2230, 0.3062,  
0.3377

 22.3607, 0.3025,  
0.3428


111.8376, 0.3068,  
0.3370

 14.1222, 0.3008,  
0.3451


142.0806, 0.3072,  
0.3364

 8.2057, 0.2984,  
0.3484


177.3365, 0.3076,  
0.3359

 4.2268, 0.2948,  
0.3534

217.9895, 0.3080,  
0.3354

 1.8012, 0.2887,  
0.3617

264.4241, 0.3083,

 0.4880, 0.2440,

0.3350

0.4210

317.0247, 0.3085,  
0.3346

0.0000, 0.0000,  
0.0000

47.3414, 0.3048,  
0.3397

47.3414, 0.3048,  
0.3397

45.0612, 0.2963,  
0.3527

49.9448, 0.3135,  
0.3280

43.0853, 0.2884,  
0.3671

52.8774, 0.3222,  
0.3176

41.4020, 0.2811,  
0.3827

56.1528, 0.3308,  
0.3085

39.9963, 0.2750,  
0.3995

59.7820, 0.3392,  
0.3004

38.8521, 0.2702,  
0.4172

62.1334, 0.3405,  
0.2925

■ 37.9514, 0.2672,  
0.4355

■ 62.6202, 0.3335,  
0.2839

■ 37.2739, 0.2660,  
0.4539

■ 63.1320, 0.3266,  
0.2756

■ 36.7958, 0.2669,  
0.4719

■ 63.6692, 0.3200,  
0.2675

■ 36.4747, 0.2694,  
0.4892

■ 64.0272, 0.3158,  
0.2624

# Harmonies

## Analogous

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



47.3414, 0.3155, 0.3461



47.3414, 0.3048, 0.3397



47.3414, 0.2964, 0.3304

# Triad

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



47.3414, 0.3048, 0.3397



47.3414, 0.2999, 0.3108



47.3414, 0.3336, 0.3366

# Complementary

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



47.3414, 0.3048, 0.3397



42.5154, 0.3214, 0.3185

# 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.



47.3414, 0.3293, 0.3274



47.3414, 0.3048, 0.3397



47.3414, 0.3097, 0.3127

# Square

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



47.3414, 0.3048, 0.3397



47.3414, 0.2935, 0.3138



47.3414, 0.3205, 0.3187



47.3414, 0.3322, 0.3441



# Rectangle

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



47.3414, 0.3048, 0.3397



47.3414, 0.2931, 0.3239



47.3414, 0.3205, 0.3187



47.3414, 0.3328, 0.3336

# Sweetspot

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



47.3434, 0.3048, 0.3397



87.5344, 0.3101, 0.3325



47.9372, 0.3186, 0.3516



19.1929, 0.3094, 0.3334



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

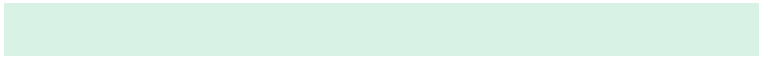


# Same Dimension

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



47.3434, 0.3048, 0.3397



83.8889, 0.3030, 0.3423



47.5570, 0.2989, 0.3286



10.7318, 0.3046, 0.3400



25.1239, 0.2691, 0.4887



0.9972, 0.2574, 0.4467



# Inverse Universe

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



42.5154, 0.3214, 0.3185



73.4388, 0.3236, 0.3161



42.3092, 0.3283, 0.3294



9.6091, 0.3217, 0.3183



7.7785, 0.5059, 0.2560



0.3179, 0.4503, 0.2254



# Previews

## White Background



This preview shows how the Yxy color 47.3414, 0.3048, 0.3397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

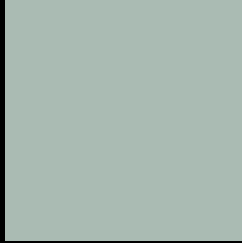
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.3414, 0.3048, 0.3397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

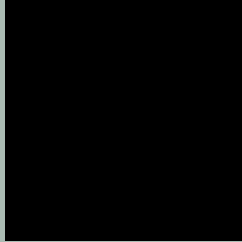
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

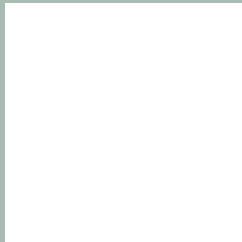
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.3414, 0.3048, 0.3397**

## Background



This preview shows how black text looks on a background with the Yxy color 47.3414, 0.3048, 0.3397.



This preview shows how white text looks on a background with the Yxy color 47.3414, 0.3048, 0.3397.

# 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

47.3414, 0.3048, 0.3397

### Protanopia

47.2819, 0.3227, 0.3368

### Deuteranopia

47.1980, 0.3306, 0.3241



## Tritanopia

47.2887, 0.2925, 0.3095

# Trichromacy



## Original Color

47.3414, 0.3048, 0.3397

## Protanomaly

47.2791, 0.3157, 0.3382

## Deuteranomaly

47.2902, 0.3213, 0.3303

## Tritanomaly

47.2744, 0.2968, 0.3198

# Monochromacy



## Original Color

47.3414, 0.3048, 0.3397

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.5094, 0.3100, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3414, 0.3048, 0.3397 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, 187, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 179)  
}
```

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, 187, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3414, 0.3048, 0.3397 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, 187, 179) }
```

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

```
.border{ border-color:rgb(170, 187, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 187, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 187, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 187, 179);  
box-shadow:4px 4px 4px 4px rgb(170, 187,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3414, 0.3048, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 179) }
```

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

```
.background{ background-color: rgb(170,  
187, 179) }
```

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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