

Converting Colors

$Yxy(48.0210, 0.3062, 0.3426)$

Have a look what the booklet for
Yxy(48.0210, 0.3062, 0.3426)
contains.

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Color

Yxy(47.8387, 0.3064, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	ABBCB2
RGB	171, 188, 178
RGB Percent	67%, 74%, 70%
CMY	0.3292, 0.2628, 0.3020
CMYK	0.09, 0.00, 0.05, 0.26
HSL	145°, 11%, 70%
HSV	145°, 9%, 74%
XYZ	42.8214, 47.8387, 49.0965
YIQ	181.7770, -6.9220, -6.7140

Conversions

Conversions Part 2

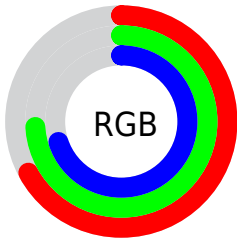
Format	Color
RYB	171, 183, 188
Decimal	11254962
CIELab	74.72, -7.74, 3.05
CIELCh	75, 8.323, 158.475
Yxy	47.8387, 0.3064, 0.3423
Android (android.graphics.Color)	4289445042 (0xFFABBCB2)
YUV	181.7770, -1.8621, -9.4514
Hunter-Lab	69.1655, -10.5276, 6.3294

Details

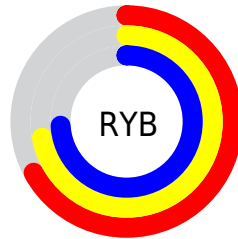
The Yxy color **47.8387, 0.3064, 0.3423** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.1725, 0.3196, 0.3161**, and the grayscale version is **46.6696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8106, 0.3071, 0.3393**, and **22.7306, 0.3052, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **45.4494, 0.2995, 0.3588**, and if you desaturate by 10%, it is **50.5684, 0.3134, 0.3276**.

Distribution



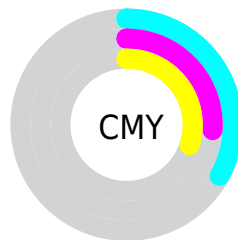
- Red (67%)
- Green (74%)
- Blue (70%)



- Red (67%)
- Yellow (72%)
- Blue (74%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (26%)





- Cyan (33%)
- Magenta (26%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8387, 0.3064, 0.3423 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 47.8387, 0.3064, 0.3423 by changing the saturation by 10% instead.


 47.8387, 0.3064,
0.3423

 47.8387, 0.3064,
0.3423

378.1524, 0.3096,
0.3356

 33.6992, 0.3056,
0.3440


 86.9642, 0.3076,
0.3399

 22.6626, 0.3046,
0.3461


112.7190, 0.3080,
0.3390

 14.3446, 0.3032,
0.3491


143.1142, 0.3084,
0.3382

 8.3607, 0.3012,
0.3531

178.5344, 0.3087,
0.3375

 4.3266, 0.2983,
0.3593

219.3640, 0.3089,
0.3370

 1.8579, 0.2933,
0.3698

265.9872, 0.3092,

 0.5229, 0.2595,

0.3365

0.4406

318.7886, 0.3094,
0.3360

0.0000, 0.0000,
0.0000

47.8387, 0.3064,
0.3423

47.8387, 0.3064,
0.3423

45.4494, 0.2995,
0.3588

50.5684, 0.3134,
0.3276

43.3808, 0.2930,
0.3770

53.6449, 0.3204,
0.3147

41.6207, 0.2870,
0.3969

57.0825, 0.3272,
0.3032

40.1535, 0.2820,
0.4184

60.8924, 0.3338,
0.2933

38.9624, 0.2783,
0.4408

63.1304, 0.3321,
0.2833

■ 38.0286, 0.2761,
0.4638

■ 63.7855, 0.3236,
0.2729

■ 37.3312, 0.2757,
0.4865

■ 64.4429, 0.3158,
0.2634

■ 36.8453, 0.2772,
0.5081

■ 36.5283, 0.2802,
0.5279

Harmonies

Analogous

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



47.8387, 0.3180, 0.3482



47.8387, 0.3064, 0.3423



47.8387, 0.2966, 0.3326

Triad

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



47.8387, 0.3064, 0.3423



47.8387, 0.2971, 0.3097



47.8387, 0.3348, 0.3352

Complementary

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



47.8387, 0.3064, 0.3423



43.1725, 0.3196, 0.3161

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.



47.8387, 0.3290, 0.3252



47.8387, 0.3064, 0.3423



47.8387, 0.3071, 0.3106

Square

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



47.8387, 0.3064, 0.3423



47.8387, 0.2913, 0.3138



47.8387, 0.3188, 0.3163



47.8387, 0.3346, 0.3439

Rectangle

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



47.8387, 0.3064, 0.3423



47.8387, 0.2924, 0.3255



47.8387, 0.3188, 0.3163



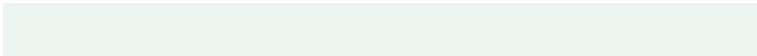
47.8387, 0.3335, 0.3319

Sweetspot

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



47.8407, 0.3064, 0.3423



89.5862, 0.3106, 0.3333



48.7547, 0.3202, 0.3512



19.1787, 0.3100, 0.3345



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.



47.8407, 0.3064, 0.3423



85.7224, 0.3049, 0.3457



48.1841, 0.3002, 0.3312



10.7128, 0.3062, 0.3428



24.8681, 0.2798, 0.5274



0.9871, 0.2662, 0.4782

Inverse Universe

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



43.1725, 0.3196, 0.3161



75.3791, 0.3214, 0.3129



42.8419, 0.3267, 0.3268



9.6282, 0.3199, 0.3156



8.0735, 0.4563, 0.2287



0.3289, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 47.8387, 0.3064, 0.3423 looks on a white background.

Color Contrast Check

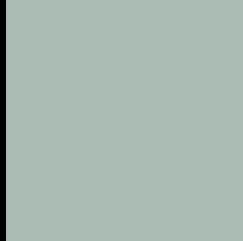
Large Text (above 18pt) WCAG AA × Fail

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 47.8387, 0.3064, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

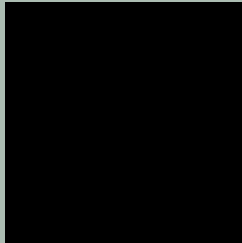
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

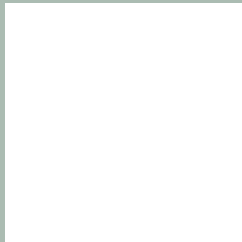
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8387, 0.3064, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 47.8387, 0.3064, 0.3423.



This preview shows how white text looks on a background with the Yxy color 47.8387, 0.3064, 0.3423.

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

47.8387, 0.3064, 0.3423

Protanopia

47.7809, 0.3242, 0.3393

Deuteranopia

47.8326, 0.3331, 0.3266



Tritanopia

47.9354, 0.2941, 0.3109

Trichromacy



Original Color

47.8387, 0.3064, 0.3423

Protanomaly

47.7776, 0.3172, 0.3408

Deuteranomaly

47.7869, 0.3229, 0.3329

Tritanomaly

47.8781, 0.2991, 0.3224

Monochromacy



Original Color

47.8387, 0.3064, 0.3423

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.0822, 0.3100, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8387, 0.3064, 0.3423 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(171, 188, 178)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 178)  
}
```

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(171, 188, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 178) }
```

Border

The CSS property to change the border of an element to Yxy 47.8387, 0.3064, 0.3423 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(171, 188, 178) }
```

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

```
.border{ border-color:rgb(171, 188, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 178);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8387, 0.3064, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 178) }
```

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

```
.background{ background-color: rgb(171,  
188, 178) }
```

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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