

Converting Colors

$Yxy(48.0866, 0.3077, 0.3316)$

Have a look what the booklet for
Yxy(48.0866, 0.3077, 0.3316)
contains.

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Color

Yxy(48.0435, 0.3076, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	B2BAB8
RGB	178, 186, 184
RGB Percent	70%, 73%, 72%
CMY	0.3021, 0.2705, 0.2784
CMYK	0.04, 0.00, 0.01, 0.27
HSL	165°, 6%, 71%
HSV	165°, 4%, 73%
XYZ	44.5663, 48.0435, 52.2741
YIQ	183.3800, -4.1260, -2.3180

Conversions

Conversions Part 2

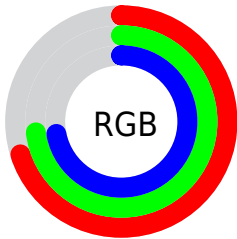
Format	Color
RYB	178, 183, 186
Decimal	11713208
CIELab	74.85, -3.16, 0.04
CIELCh	75, 3.163, 179.329
Yxy	48.0435, 0.3076, 0.3316
Android (android.graphics.Color)	4289903288 (0xFFB2BAB8)
YUV	183.3800, 0.3057, -4.7183
Hunter-Lab	69.3134, -6.5288, 3.8046

Details

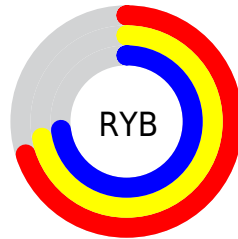
The Yxy color **48.0435, 0.3076, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.5651, 0.3181, 0.3264**, and the grayscale version is **47.5724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2880, 0.3087, 0.3310**, and **22.7737, 0.3058, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **45.8012, 0.2960, 0.3381**, and if you desaturate by 10%, it is **50.5946, 0.3195, 0.3258**.

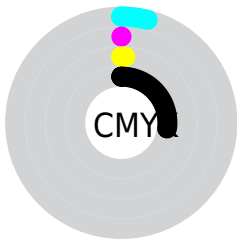
Distribution



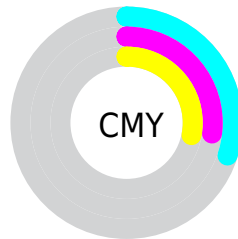
- Red (70%)
- Green (73%)
- Blue (72%)



- Red (70%)
- Yellow (72%)
- Blue (73%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)



- Cyan (30%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0435, 0.3076, 0.3316 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 48.0435, 0.3076, 0.3316 by changing the saturation by 10% instead.

■ 48.0435, 0.3076,
0.3316

■ 48.0435, 0.3076,
0.3316

378.9645, 0.3102,
0.3303

■ 33.8613, 0.3070,
0.3319

■ 87.2692, 0.3085,
0.3311

■ 22.7871, 0.3062,
0.3323

113.0815, 0.3089,
0.3310

■ 14.4364, 0.3051,
0.3329

143.5393, 0.3092,
0.3308

■ 8.4248, 0.3036,
0.3336

179.0269, 0.3094,
0.3307

■ 4.3679, 0.3013,
0.3348

219.9289, 0.3096,
0.3306

■ 1.8814, 0.2976,
0.3366

266.6296, 0.3098,

■ 0.5372, 0.2791,

0.3305

0.3459

319.5133, 0.3100,
0.3304

0.0000, 0.0000,
0.0000

48.0435, 0.3076,
0.3316

48.0435, 0.3076,
0.3316

45.8012, 0.2960,
0.3381

50.5946, 0.3195,
0.3258

43.8496, 0.2851,
0.3452

53.4597, 0.3315,
0.3205

42.1780, 0.2750,
0.3529

56.6516, 0.3435,
0.3159

40.7726, 0.2661,
0.3611

60.1805, 0.3553,
0.3118

39.6185, 0.2587,
0.3698

60.8985, 0.3536,
0.3072

■ 38.6992, 0.2530,
0.3788

■ 61.1293, 0.3497,
0.3025

■ 37.9964, 0.2491,
0.3880

■ 61.3668, 0.3459,
0.2979

■ 37.4887, 0.2472,
0.3972

■ 61.6111, 0.3421,
0.2933

■ 37.1507, 0.2472,
0.4065

■ 61.8623, 0.3383,
0.2887

Harmonies

Analogous

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



48.0435, 0.3117, 0.3349



48.0435, 0.3076, 0.3316



48.0435, 0.3049, 0.3277

Triad

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



48.0435, 0.3076, 0.3316



48.0435, 0.3093, 0.3216



48.0435, 0.3213, 0.3339

Complementary

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



48.0435, 0.3076, 0.3316



45.5651, 0.3181, 0.3264

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.



48.0435, 0.3206, 0.3303



48.0435, 0.3076, 0.3316



48.0435, 0.3137, 0.3233

Square

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



48.0435, 0.3076, 0.3316



48.0435, 0.3059, 0.3219



48.0435, 0.3179, 0.3264



48.0435, 0.3196, 0.3361

Rectangle

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



48.0435, 0.3076, 0.3316



48.0435, 0.3042, 0.3252



48.0435, 0.3179, 0.3264



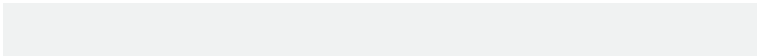
48.0435, 0.3213, 0.3328

Sweetspot

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



48.0455, 0.3076, 0.3316



88.5378, 0.3115, 0.3296



48.0373, 0.3139, 0.3395



19.5027, 0.3116, 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.



48.0455, 0.3076, 0.3316



86.7444, 0.3067, 0.3321



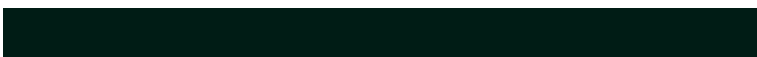
47.2894, 0.3061, 0.3264



10.3575, 0.3061, 0.3324



24.9041, 0.2474, 0.4105



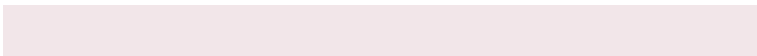
0.8872, 0.2408, 0.3868

Inverse Universe

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



45.5651, 0.3181, 0.3264



81.4841, 0.3191, 0.3260



46.2894, 0.3196, 0.3316



9.6664, 0.3198, 0.3256



7.1684, 0.5900, 0.3024



0.2629, 0.5155, 0.2614

Previews

White Background



This preview shows how the Yxy color 48.0435, 0.3076, 0.3316 looks on a white background.

Color Contrast Check

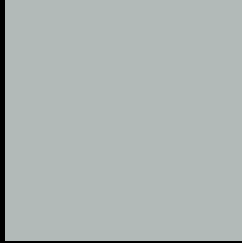
Large Text (above 18pt) WCAG AA × Fail

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 48.0435, 0.3076, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

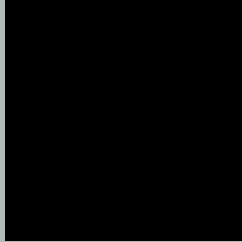
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

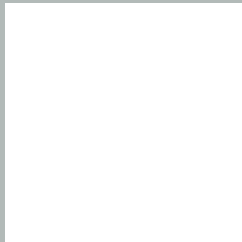
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0435, 0.3076, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 48.0435, 0.3076, 0.3316.



This preview shows how white text looks on a background with the Yxy color 48.0435, 0.3076, 0.3316.

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

48.0435, 0.3076, 0.3316

Protanopia

47.9357, 0.3178, 0.3303

Deuteranopia

47.8035, 0.3263, 0.3192



Tritanopia

48.0615, 0.2988, 0.3111

Trichromacy



Original Color

48.0435, 0.3076, 0.3316

Protanomaly

47.8902, 0.3135, 0.3303

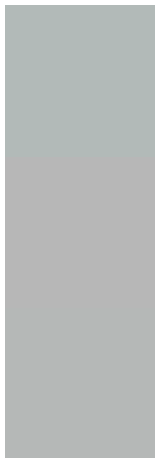
Deuteranomaly

47.8880, 0.3198, 0.3240

Tritanomaly

48.1319, 0.3017, 0.3187

Monochromacy



Original Color

48.0435, 0.3076, 0.3316

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5236, 0.3110, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0435, 0.3076, 0.3316 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(178, 186, 184)` looks like.

```
.text, #text, p{  
    color:rgb(178, 186, 184)  
}
```

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(178, 186, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 186, 184) }
```

Border

The CSS property to change the border of an element to Yxy 48.0435, 0.3076, 0.3316 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(178, 186, 184) }
```

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

```
.border{ border-color:rgb(178, 186, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 186, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 186, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 186, 184);  
box-shadow:4px 4px 4px 4px rgb(178, 186,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0435, 0.3076, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 186, 184) }
```

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

```
.background{ background-color: rgb(178,  
186, 184) }
```

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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