

Converting Colors

$Yxy(47.0585, 0.3009, 0.3192)$

Have a look what the booklet for
Yxy(47.0585, 0.3009, 0.3192)
contains.

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Color

Yxy(46.8587, 0.3008, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	B0B7BF
RGB	176, 183, 191
RGB Percent	69%, 72%, 75%
CMY	0.3095, 0.2824, 0.2509
CMYK	0.08, 0.04, 0.00, 0.25
HSL	212°, 10%, 72%
HSV	212°, 8%, 75%
XYZ	44.2546, 46.8587, 56.0098
YIQ	181.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

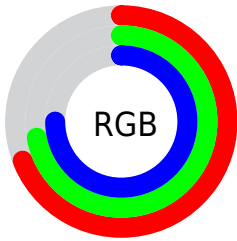
Format	Color
R_{YB}	176, 181, 191
Decimal	11581375
CIE Lab	74.10, -0.82, -4.91
CIE LCh	74, 4.975, 260.457
Yxy	46.8587, 0.3008, 0.3185
Android (android.graphics.Color)	4289771455 (0xFFB0B7BF)
YUV	181.8190, 4.5262, -5.1033
Hunter-Lab	68.4534, -4.3946, -0.5947

Details

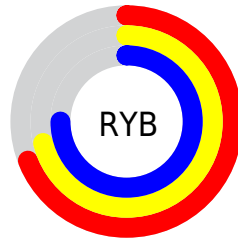
The Yxy color $46.8587, 0.3008, 0.3185$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.5384, 0.3250, 0.3393$, and the grayscale version is $46.6599, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6042, 0.3034, 0.3209$, and $22.0112, 0.2965, 0.3147$ is the 20% darker color. If you saturate the color by 10%, you get $40.7066, 0.2849, 0.3037$, and if you desaturate by 10%, it is $53.6370, 0.3159, 0.3318$.

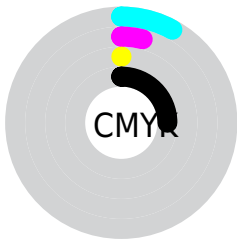
Distribution



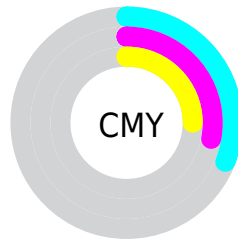
- Red (69%)
- Green (72%)
- Blue (75%)



- Red (69%)
- Yellow (71%)
- Blue (75%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)



- Cyan (31%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8587, 0.3008, 0.3185 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 46.8587, 0.3008, 0.3185 by changing the saturation by 10% instead.

■ 46.8587, 0.3008,
0.3185

■ 46.8587, 0.3008,
0.3185

374.2502, 0.3067,
0.3238

■ 32.9240, 0.2993,
0.3172

■ 85.5027, 0.3030,
0.3204

■ 22.0682, 0.2974,
0.3155

110.9807, 0.3038,
0.3211

■ 13.9070, 0.2949,
0.3132

141.0753, 0.3045,
0.3217

■ 8.0560, 0.2914,
0.3101

176.1708, 0.3050,
0.3223

■ 4.1308, 0.2861,
0.3054

216.6517, 0.3056,
0.3227

■ 1.7470, 0.2775,
0.2976

262.9023, 0.3060,

■ 0.4538, 0.2416,

0.3231

0.2666

315.3070, 0.3064,
0.3235

0.0000, 0.0000,
0.0000

46.8587, 0.3008,
0.3185

46.8587, 0.3008,
0.3185

40.7066, 0.2849,
0.3037

53.6370, 0.3159,
0.3318

35.1551, 0.2686,
0.2873

61.0540, 0.3302,
0.3435

30.1856, 0.2520,
0.2694

69.1296, 0.3436,
0.3539

25.7761, 0.2357,
0.2501

77.8807, 0.3560,
0.3630

21.9028, 0.2200,
0.2299

84.0428, 0.3555,
0.3727

■ 18.5401, 0.2057,
0.2090

■ 90.0682, 0.3531,
0.3824

■ 15.6595, 0.1932,
0.1882

■ 96.4379, 0.3508,
0.3918

■ 13.2288, 0.1830,
0.1680

■ 96.5422, 0.3508,
0.3919

■ 11.2032, 0.1752,
0.1491

Harmonies

Analogous

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



46.8587, 0.2993, 0.3227



46.8587, 0.3008, 0.3185



46.8587, 0.3055, 0.3171

Triad

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



46.8587, 0.3008, 0.3185



46.8587, 0.3243, 0.3292



46.8587, 0.3131, 0.3394

Complementary

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



46.8587, 0.3008, 0.3185



48.5384, 0.3250, 0.3393

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.



46.8587, 0.3199, 0.3411



46.8587, 0.3008, 0.3185



46.8587, 0.3264, 0.3351

Square

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



46.8587, 0.3008, 0.3185



46.8587, 0.3191, 0.3233



46.8587, 0.3248, 0.3395



46.8587, 0.3063, 0.3348

Rectangle

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



46.8587, 0.3008, 0.3185



46.8587, 0.3098, 0.3180



46.8587, 0.3248, 0.3395



46.8587, 0.3155, 0.3404

Sweetspot

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



46.8607, 0.3008, 0.3185



90.8040, 0.3097, 0.3264



49.9684, 0.3059, 0.3381



19.9670, 0.3098, 0.3265



97.7402, 0.3127, 0.3290



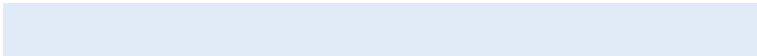
20.4902, 0.3127, 0.3290

Same Dimension

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



46.8607, 0.3008, 0.3185



82.3974, 0.2987, 0.3166



44.1369, 0.3012, 0.3094



9.9332, 0.2984, 0.3164



7.2556, 0.1743, 0.1476



0.4151, 0.1871, 0.1936

Inverse Universe

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



45.5746, 0.3202, 0.3202



79.7567, 0.3216, 0.3187



51.4188, 0.3237, 0.3480



9.6078, 0.3218, 0.3184



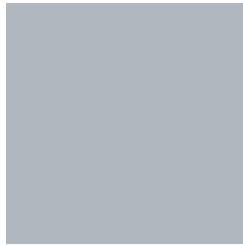
7.7621, 0.5091, 0.2578



0.3173, 0.4526, 0.2267

Previews

White Background



This preview shows how the Yxy color 46.8587, 0.3008, 0.3185 looks on a white background.

Color Contrast Check

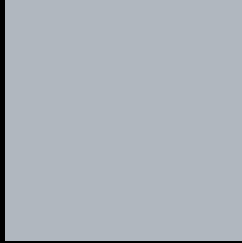
Large Text (above 18pt) WCAG AA × Fail

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 46.8587, 0.3008, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

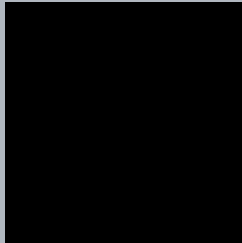
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

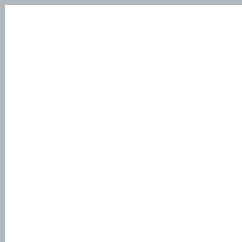
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8587, 0.3008, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 46.8587, 0.3008, 0.3185.



This preview shows how white text looks on a background with the Yxy color 46.8587, 0.3008, 0.3185.

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

46.8587, 0.3008, 0.3185

Protanopia

46.8327, 0.3073, 0.3174

Deuteranopia

46.8522, 0.3162, 0.3103



Tritanopia

46.8342, 0.2971, 0.3096

Trichromacy



Original Color

46.8587, 0.3008, 0.3185

Protanomaly

46.8769, 0.3048, 0.3186

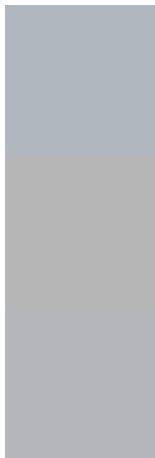
Deuteranomaly

46.7373, 0.3101, 0.3125

Tritanomaly

46.7431, 0.2986, 0.3121

Monochromacy



Original Color

46.8587, 0.3008, 0.3185

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6620, 0.3087, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8587, 0.3008, 0.3185 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(176, 183, 191)` looks like.

```
.text, #text, p{  
    color:rgb(176, 183, 191)  
}
```

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(176, 183, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 183, 191) }
```

Border

The CSS property to change the border of an element to Yxy 46.8587, 0.3008, 0.3185 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(176, 183, 191) }
```

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

```
.border{ border-color:rgb(176, 183, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 183, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 183, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 183, 191);  
box-shadow:4px 4px 4px 4px rgb(176, 183,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8587, 0.3008, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 183, 191) }
```

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

```
.background{ background-color: rgb(176,  
183, 191) }
```

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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