

Converting Colors

$Y_{xy}(50.0275, 0.3057, 0.3308)$

Have a look what the booklet for
Yxy(50.0275, 0.3057, 0.3308)
contains.

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Color

Yxy(50.1611, 0.3061, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	B4BEBC
RGB	180, 190, 188
RGB Percent	71%, 75%, 74%
CMY	0.2943, 0.2548, 0.2628
CMYK	0.05, 0.00, 0.01, 0.25
HSL	168°, 7%, 73%
HSV	168°, 5%, 75%
XYZ	46.3037, 50.1611, 54.8051
YIQ	186.7820, -5.3180, -2.7420

Conversions

Conversions Part 2

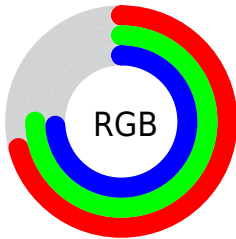
Format	Color
R _Y B	180, 186, 190
Decimal	11845308
CIE Lab	76.17, -3.85, -0.18
CIE LCh	76, 3.855, 182.710
Yxy	50.1611, 0.3061, 0.3316
Android (android.graphics.Color)	4290035388 (0xFFB4BEB4)
YUV	186.7820, 0.6005, -5.9478
Hunter-Lab	70.8245, -7.2430, 3.6976

Details

The Yxy color **50.1611, 0.3061, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9532, 0.3198, 0.3264**, and the grayscale version is **49.5607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2761, 0.3075, 0.3310**, and **24.1526, 0.3038, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **47.8734, 0.2940, 0.3369**, and if you desaturate by 10%, it is **52.7701, 0.3187, 0.3268**.

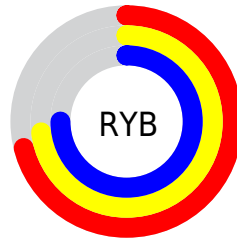
Distribution



Red (71%)

Green (75%)

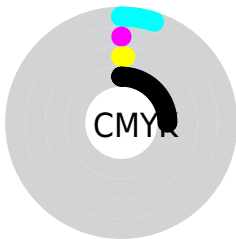
Blue (74%)



Red (71%)

Yellow (73%)

Blue (75%)

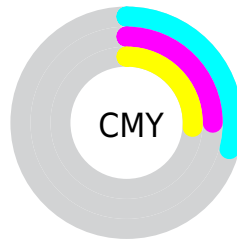


Cyan (5%)

Magenta (0%)

Yellow (1%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1611, 0.3061, 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 50.1611, 0.3061, 0.3316 by changing the saturation by 10% instead.

■ 50.1611, 0.3061,
0.3316

■ 50.1611, 0.3061,
0.3316

387.2956, 0.3094,
0.3303

■ 35.5414, 0.3053,
0.3319

■ 90.4135, 0.3073,
0.3311

■ 24.0802, 0.3043,
0.3323

116.8151, 0.3077,
0.3310

■ 15.3932, 0.3029,
0.3328

147.9127, 0.3081,
0.3308

■ 9.0958, 0.3010,
0.3336

184.0907, 0.3084,
0.3307

■ 4.8037, 0.2983,
0.3346

225.7337, 0.3087,
0.3306

■ 2.1326, 0.2938,
0.3364

273.2259, 0.3090,


■ 0.6828, 0.2783,


0.3305

0.3424


326.9517, 0.3092,
0.3304

 0.0000, 0.0000,
0.0000


 50.1611, 0.3061,
0.3316


 50.1611, 0.3061,
0.3316


 47.8734, 0.2940,
0.3369


 52.7701, 0.3187,
0.3268


 45.8880, 0.2825,
0.3427


 55.7060, 0.3314,
0.3225


 44.1934, 0.2721,
0.3489

 58.9823, 0.3442,
0.3187

 42.7751, 0.2629,
0.3556

 62.4258, 0.3560,
0.3153

 41.6172, 0.2552,
0.3626

 62.6124, 0.3528,
0.3113

■ 40.7023, 0.2493,
0.3698

■ 62.8036, 0.3496,
0.3074

■ 40.0108, 0.2452,
0.3771

■ 62.9994, 0.3465,
0.3035

■ 39.5199, 0.2432,
0.3845

■ 63.1999, 0.3434,
0.2997

■ 39.2017, 0.2429,
0.3918

■ 63.4052, 0.3403,
0.2958

Harmonies

Analogous

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



50.1611, 0.3109, 0.3357



50.1611, 0.3061, 0.3316



50.1611, 0.3031, 0.3268

Triad

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



50.1611, 0.3061, 0.3316



50.1611, 0.3092, 0.3203



50.1611, 0.3229, 0.3352

Complementary

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



50.1611, 0.3061, 0.3316



46.9532, 0.3198, 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.



50.1611, 0.3224, 0.3311



50.1611, 0.3061, 0.3316



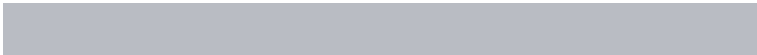
50.1611, 0.3145, 0.3225

Square

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



50.1611, 0.3061, 0.3316



50.1611, 0.3049, 0.3203



50.1611, 0.3194, 0.3264



50.1611, 0.3206, 0.3378

Rectangle

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



50.1611, 0.3061, 0.3316



50.1611, 0.3025, 0.3239



50.1611, 0.3194, 0.3264



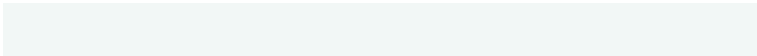
50.1611, 0.3231, 0.3340

Sweetspot

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



50.1632, 0.3061, 0.3316



92.3595, 0.3102, 0.3300



50.0906, 0.3139, 0.3420



20.2916, 0.3103, 0.3299



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.



50.1632, 0.3061, 0.3316



90.5292, 0.3051, 0.3320



49.0291, 0.3047, 0.3253



10.9206, 0.3046, 0.3322



25.9948, 0.2429, 0.3943



1.0268, 0.2380, 0.3768

Inverse Universe

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



46.9532, 0.3198, 0.3264



83.8663, 0.3209, 0.3260



48.0317, 0.3211, 0.3327



10.0587, 0.3215, 0.3258



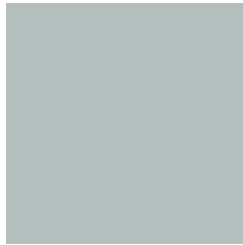
7.3840, 0.6042, 0.3102



0.2987, 0.5382, 0.2739

Previews

White Background



This preview shows how the Yxy color 50.1611, 0.3061, 0.3316 looks on a white background.

Color Contrast Check

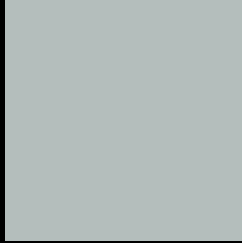
Large Text (above 18pt) WCAG AA × Fail

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 50.1611, 0.3061, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

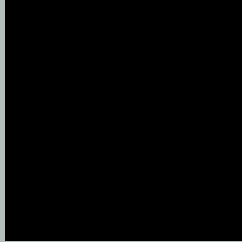
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

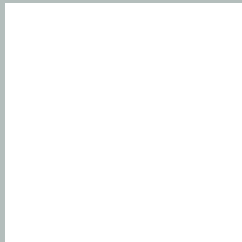
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1611, 0.3061, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 50.1611, 0.3061, 0.3316.



This preview shows how white text looks on a background with the Yxy color 50.1611, 0.3061, 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

50.1611, 0.3061, 0.3316

Protanopia

50.1622, 0.3168, 0.3303

Deuteranopia

50.1527, 0.3260, 0.3193



Tritanopia

50.2233, 0.2967, 0.3101

Trichromacy



Original Color

50.1611, 0.3061, 0.3316

Protanomaly

50.1191, 0.3127, 0.3303

Deuteranomaly

50.1078, 0.3188, 0.3241

Tritanomaly

50.2962, 0.2996, 0.3176

Monochromacy



Original Color

50.1611, 0.3061, 0.3316

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7446, 0.3102, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1611, 0.3061, 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(180, 190, 188)` looks like.

```
.text, #text, p{  
    color:rgb(180, 190, 188)  
}
```

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(180, 190, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 190, 188) }
```

Border

The CSS property to change the border of an element to Yxy 50.1611, 0.3061, 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(180, 190, 188) }
```

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

```
.border{ border-color:rgb(180, 190, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 190, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 190, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 190, 188);  
box-shadow:4px 4px 4px 4px rgb(180, 190,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1611, 0.3061, 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(180, 190, 188) }
```

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

```
.background{ background-color: rgb(180,  
190, 188) }
```

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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