

Converting Colors

Yxy(51.5863, 0.3079, 0.3264)

Have a look what the booklet for
Yxy(51.5863, 0.3079, 0.3264)
contains.

Yxy(51.6767, 0.3080, 0.3265)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.6767, 0.3080, 0.3265)

Conversions

Conversions Part 1

Format	Color
Hex	BBBFC1
RGB	187, 191, 193
RGB Percent	73%, 75%, 76%
CMY	0.2667, 0.2510, 0.2432
CMYK	0.03, 0.01, 0.00, 0.24
HSL	200°, 5%, 75%
HSV	200°, 3%, 76%
XYZ	48.7486, 51.6767, 57.8494
YIQ	190.0320, -3.0260, -0.2260

Conversions

Conversions Part 2

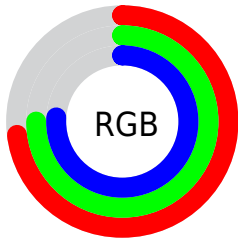
Format	Color
RYB	187, 189, 193
Decimal	12304321
CIELab	77.09, -1.01, -1.49
CIELCh	77, 1.798, 235.982
Yxy	51.6767, 0.3080, 0.3265
Android (android.graphics.Color)	4290494401 (0xFFBBBFC1)
YUV	190.0320, 1.4632, -2.6591
Hunter-Lab	71.8865, -4.7546, 2.6080

Details

The Yxy color $51.6767, 0.3080, 0.3265$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $51.3112, 0.3175, 0.3315$, and the grayscale version is $51.5054, 0.3127, 0.3290$.

A 20% lighter version of the original color is $92.4158, 0.3090, 0.3270$, and $25.1387, 0.3064, 0.3256$ is the 20% darker color. If you saturate the color by 10%, you get $46.6806, 0.2927, 0.3179$, and if you desaturate by 10%, it is $57.1258, 0.3231, 0.3343$.

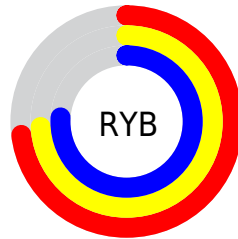
Distribution



Red (73%)

Green (75%)

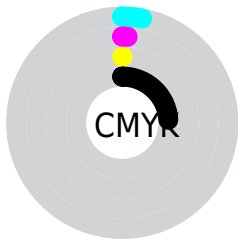
Blue (76%)



Red (73%)

Yellow (74%)

Blue (76%)

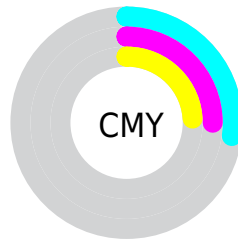


Cyan (3%)

Magenta (1%)

Yellow (0%)

Black (24%)



Cyan (27%)

Magenta (25%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6767, 0.3080, 0.3265 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 51.6767, 0.3080, 0.3265 by changing the saturation by 10% instead.

■ 51.6767, 0.3080,
0.3265

■ 51.6767, 0.3080,
0.3265

393.1872, 0.3103,
0.3277

■ 36.7474, 0.3074,
0.3262

■ 92.6543, 0.3088,
0.3269

■ 25.0120, 0.3067,
0.3258

119.4714, 0.3091,
0.3271

■ 16.0860, 0.3058,
0.3253

151.0199, 0.3094,
0.3273

■ 9.5850, 0.3045,
0.3246

187.6842, 0.3096,
0.3274

■ 5.1247, 0.3025,
0.3235

229.8487, 0.3098,
0.3275

■ 2.3206, 0.2995,
0.3219

277.8977, 0.3100,

■ 0.7846, 0.2927,

0.3276

0.3184

332.2158, 0.3102,
0.3277

0.0000, 0.0000,
0.0000

51.6767, 0.3080,
0.3265

51.6767, 0.3080,
0.3265

46.6806, 0.2927,
0.3179

57.1258, 0.3231,
0.3343

42.1165, 0.2773,
0.3084

63.0350, 0.3378,
0.3412

37.9711, 0.2623,
0.2980

69.4196, 0.3519,
0.3473

34.2280, 0.2479,
0.2869

74.5061, 0.3583,
0.3533

30.8695, 0.2344,
0.2752

77.8539, 0.3568,
0.3596

■ 27.8762, 0.2224,
0.2629

■ 81.3305, 0.3553,
0.3659

■ 25.2267, 0.2120,
0.2503

■ 84.9372, 0.3538,
0.3720

■ 22.8964, 0.2035,
0.2377

■ 88.6753, 0.3524,
0.3781

■ 20.8561, 0.1971,
0.2252

■ 92.5463, 0.3510,
0.3840

Harmonies

Analogous

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



51.6767, 0.3085, 0.3285



51.6767, 0.3080, 0.3265



51.6767, 0.3088, 0.3252

Triad

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



51.6767, 0.3080, 0.3265



51.6767, 0.3153, 0.3274



51.6767, 0.3148, 0.3332

Complementary

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



51.6767, 0.3080, 0.3265



51.3112, 0.3175, 0.3315

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.



51.6767, 0.3167, 0.3329



51.6767, 0.3080, 0.3265



51.6767, 0.3170, 0.3295

Square

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



51.6767, 0.3080, 0.3265



51.6767, 0.3130, 0.3257



51.6767, 0.3175, 0.3315



51.6767, 0.3124, 0.3324

Rectangle

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



51.6767, 0.3080, 0.3265



51.6767, 0.3099, 0.3248



51.6767, 0.3175, 0.3315



51.6767, 0.3155, 0.3332

Sweetspot

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



51.6789, 0.3080, 0.3265



94.5395, 0.3112, 0.3282



52.3690, 0.3110, 0.3341



20.2923, 0.3113, 0.3282



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.



51.6789, 0.3080, 0.3265



91.6764, 0.3065, 0.3257



50.4230, 0.3081, 0.3228



11.3773, 0.3056, 0.3252



13.1769, 0.1940, 0.2183



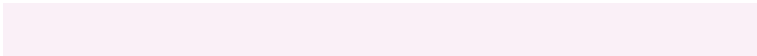
0.6913, 0.2016, 0.2459

Inverse Universe

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



50.6386, 0.3146, 0.3240



89.2594, 0.3152, 0.3225



52.5748, 0.3173, 0.3351



11.0313, 0.3156, 0.3215



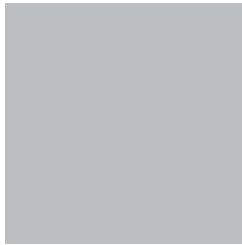
8.6125, 0.4251, 0.2115



0.3844, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 51.6767, 0.3080, 0.3265 looks on a white background.

Color Contrast Check

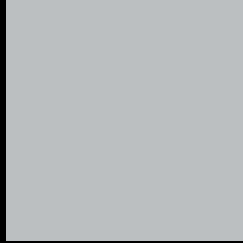
Large Text (above 18pt) WCAG AA × Fail

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 51.6767, 0.3080, 0.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

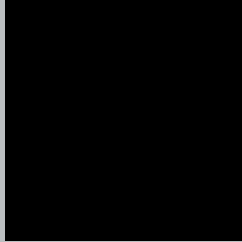
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

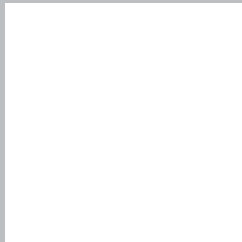
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6767, 0.3080, 0.3265

Background



This preview shows how black text looks on a background with the Yxy color 51.6767, 0.3080, 0.3265.

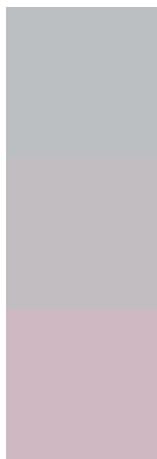


This preview shows how white text looks on a background with the Yxy color 51.6767, 0.3080, 0.3265.

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

51.6767, 0.3080, 0.3265

Protanopia

51.5384, 0.3137, 0.3253

Deuteranopia

51.4414, 0.3243, 0.3171



Tritanopia

51.5736, 0.3015, 0.3105

Trichromacy



Original Color

51.6767, 0.3080, 0.3265

Protanomaly

51.7090, 0.3120, 0.3265

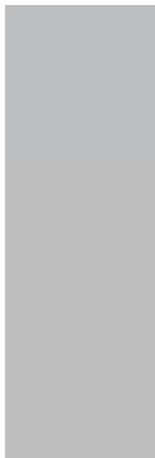
Deuteranomaly

51.7150, 0.3181, 0.3205

Tritanomaly

51.6884, 0.3036, 0.3166

Monochromacy



Original Color

51.6767, 0.3080, 0.3265

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.4073, 0.3111, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6767, 0.3080, 0.3265 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(187, 191, 193)` looks like.

```
.text, #text, p{  
    color:rgb(187, 191, 193)  
}
```

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(187, 191, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 191, 193) }
```

Border

The CSS property to change the border of an element to Yxy 51.6767, 0.3080, 0.3265 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(187, 191, 193) }
```

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

```
.border{ border-color:rgb(187, 191, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 191, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 191, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 191, 193);  
box-shadow:4px 4px 4px 4px rgb(187, 191,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6767, 0.3080, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 191, 193) }
```

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

```
.background{ background-color: rgb(187,  
191, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor