

Converting Colors

$Yxy(57.1903, 0.3169, 0.3763)$

Have a look what the booklet for
Yxy(57.1903, 0.3169, 0.3763)
contains.

Yxy(57.1116, 0.3173, 0.3763)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.1116, 0.3173, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	B3CFAA
RGB	179, 207, 170
RGB Percent	70%, 81%, 67%
CMY	0.2980, 0.1882, 0.3334
CMYK	0.14, 0.00, 0.18, 0.19
HSL	105°, 28%, 74%
HSV	105°, 18%, 81%
XYZ	48.1571, 57.1116, 46.5028
YIQ	194.4100, -4.8110, -17.4430

Conversions

Conversions Part 2

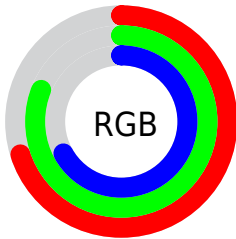
Format	Color
RYB	170, 207, 198
Decimal	11784106
CIELab	80.24, -16.23, 15.32
CIELCh	80, 22.319, 136.656
Yxy	57.1116, 0.3173, 0.3763
Android (android.graphics.Color)	4289974186 (0xFFB3CFAA)
YUV	194.4100, -12.0341, -13.5146
Hunter-Lab	75.5722, -18.5054, 16.4169

Details

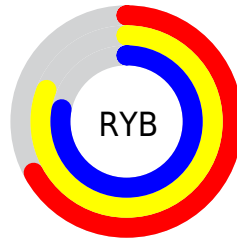
The Yxy color **57.1116, 0.3173, 0.3763** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2487, 0.3070, 0.2839**, and the grayscale version is **54.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6184, 0.3175, 0.3593**, and **28.5261, 0.3178, 0.3896** is the 20% darker color. If you saturate the color by 10%, you get **54.6307, 0.3195, 0.4065**, and if you desaturate by 10%, it is **59.9325, 0.3148, 0.3487**.

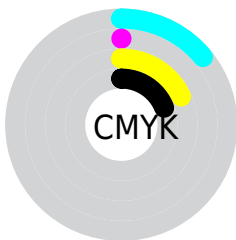
Distribution



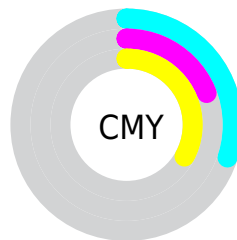
- Red (70%)
- Green (81%)
- Blue (67%)



- Red (67%)
- Yellow (81%)
- Blue (78%)



- Cyan (14%)
- Magenta (0%)
- Yellow (18%)
- Black (19%)



- Cyan (30%)
- Magenta (19%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1116, 0.3173, 0.3763 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 57.1116, 0.3173, 0.3763 by changing the saturation by 10% instead.

■ 57.1116, 0.3173,
0.3763

■ 57.1116, 0.3173,
0.3763

413.8674, 0.3154,
0.3528

■ 41.0948, 0.3177,
0.3821

■ 100.6280, 0.3167,
0.3678

■ 28.3932, 0.3180,
0.3895

128.8965, 0.3165,
0.3646

■ 18.6223, 0.3184,
0.3993

162.0176, 0.3162,
0.3619

■ 11.3977, 0.3188,
0.4129

200.3758, 0.3160,
0.3596

■ 6.3350, 0.3188,
0.4328

244.3555, 0.3159,
0.3575

■ 3.0498, 0.3178,
0.4646

294.3410, 0.3157,

■ 1.1578, 0.3403,

0.3558

0.5781

350.7169, 0.3155,
0.3542

0.0268, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.1116, 0.3173,
0.3763

57.1116, 0.3173,
0.3763

54.6307, 0.3195,
0.4065

59.9325, 0.3148,
0.3487

52.4697, 0.3211,
0.4387

63.0983, 0.3121,
0.3240

50.6173, 0.3220,
0.4719

66.6227, 0.3095,
0.3021

49.0590, 0.3219,
0.5046

70.5168, 0.3068,
0.2828

■ 47.7787, 0.3206,
0.5346

■ 73.1088, 0.3149,
0.2821

■ 46.7589, 0.3180,
0.5600

■ 45.9798, 0.3144,
0.5788

■ 45.4161, 0.3101,
0.5906

■ 45.3186, 0.3093,
0.5926

Harmonies

Analogous

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



57.1116, 0.3453, 0.3807



57.1116, 0.3173, 0.3763



57.1116, 0.2889, 0.3572

Triad

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



57.1116, 0.3173, 0.3763



57.1116, 0.2623, 0.2865



57.1116, 0.3597, 0.3254

Complementary

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



57.1116, 0.3173, 0.3763



45.2487, 0.3070, 0.2839

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.



57.1116, 0.3356, 0.3029



57.1116, 0.3173, 0.3763



57.1116, 0.2794, 0.2808

Square

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



57.1116, 0.3173, 0.3763



57.1116, 0.2581, 0.3040



57.1116, 0.3060, 0.2869



57.1116, 0.3706, 0.3497

Rectangle

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



57.1116, 0.3173, 0.3763



57.1116, 0.2736, 0.3394



57.1116, 0.3060, 0.2869



57.1116, 0.3528, 0.3175

Sweetspot

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



57.1141, 0.3173, 0.3763



97.4227, 0.3141, 0.3415



56.4411, 0.3412, 0.3626



20.7774, 0.3142, 0.3433



0.0000, 0.0000, 0.0000



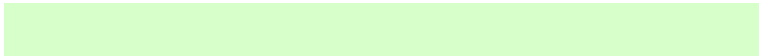
21.4041, 0.3127, 0.3290

Same Dimension

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



57.1141, 0.3173, 0.3763



90.1302, 0.3181, 0.3862



56.4362, 0.3042, 0.3649



13.3434, 0.3152, 0.3528



28.5881, 0.3101, 0.5920



1.6363, 0.3235, 0.5813

Inverse Universe

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



45.2487, 0.3070, 0.2839



68.0713, 0.3057, 0.2751



46.0723, 0.3225, 0.2956



11.8579, 0.3099, 0.3058



7.3717, 0.2603, 0.1208



0.4478, 0.2720, 0.1272

Previews

White Background



This preview shows how the Yxy color 57.1116, 0.3173, 0.3763 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 57.1116, 0.3173, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

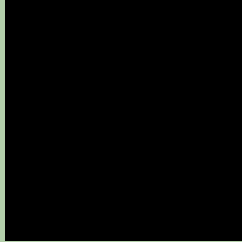
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

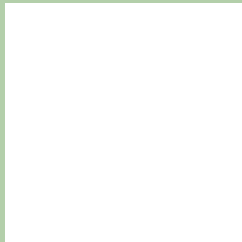
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.1116, 0.3173, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 57.1116, 0.3173, 0.3763.



This preview shows how white text looks on a background with the Yxy color 57.1116, 0.3173, 0.3763.

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

57.1116, 0.3173, 0.3763

Protanopia

56.8430, 0.3468, 0.3674

Deuteranopia

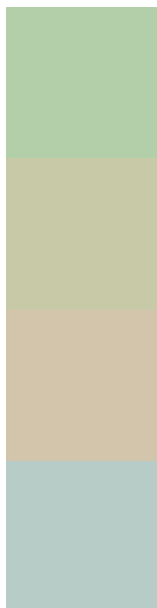
56.6096, 0.3574, 0.3497



Tritanopia

57.1703, 0.2911, 0.3109

Trichromacy



Original Color

57.1116, 0.3173, 0.3763

Protanomaly

56.7054, 0.3362, 0.3708

Deuteranomaly

56.6127, 0.3423, 0.3590

Tritanomaly

56.9027, 0.3004, 0.3339

Monochromacy



Original Color

57.1116, 0.3173, 0.3763

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.1684, 0.3150, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1116, 0.3173, 0.3763 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(179, 207, 170)` looks like.

```
.text, #text, p{  
    color:rgb(179, 207, 170)  
}
```

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(179, 207, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 207, 170) }
```

Border

The CSS property to change the border of an element to Yxy 57.1116, 0.3173, 0.3763 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(179, 207, 170) }
```

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

```
.border{ border-color:rgb(179, 207, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 207, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 207, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 207, 170);  
box-shadow:4px 4px 4px 4px rgb(179, 207,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1116, 0.3173, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 207, 170) }
```

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

```
.background{ background-color: rgb(179,  
207, 170) }
```

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