

Converting Colors

$Yxy(67.9487, 0.3009, 0.3353)$

Have a look what the booklet for
Yxy(67.9487, 0.3009, 0.3353)
contains.

Yxy(68.0472, 0.3012, 0.3359)	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(68.0472, 0.3012, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	C6DCD6
RGB	198, 220, 214
RGB Percent	78%, 86%, 84%
CMY	0.2235, 0.1372, 0.1609
CMYK	0.10, 0.00, 0.03, 0.14
HSL	164°, 24%, 82%
HSV	164°, 10%, 86%
XYZ	61.0176, 68.0472, 73.5169
YIQ	212.7380, -11.1860, -6.5300

Conversions

Conversions Part 2

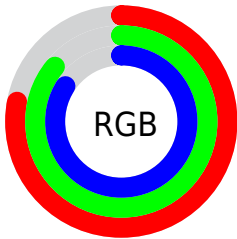
Format	Color
R _Y B	198, 211, 220
Decimal	13032662
CIE Lab	86.03, -8.46, 0.46
CIE LCh	86, 8.468, 176.912
Yxy	68.0472, 0.3012, 0.3359
Android (android.graphics.Color)	4291222742 (0xFFC6DCD6)
YUV	212.7380, 0.6222, -12.9252
Hunter-Lab	82.4907, -12.3240, 4.9034

Details

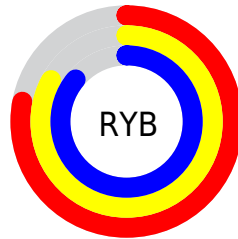
The Yxy color **68.0472, 0.3012, 0.3359** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.9699, 0.3257, 0.3222**, and the grayscale version is **66.3580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3428, 0.2986, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **64.9716, 0.2902, 0.3435**, and if you desaturate by 10%, it is **71.5743, 0.3127, 0.3290**.

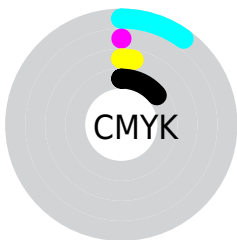
Distribution



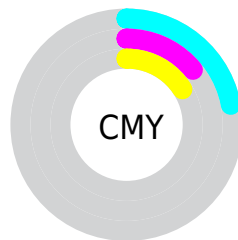
- Red (78%)
- Green (86%)
- Blue (84%)



- Red (78%)
- Yellow (83%)
- Blue (86%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



- Cyan (22%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0472, 0.3012, 0.3359 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 68.0472, 0.3012, 0.3359 by changing the saturation by 10% instead.

■ 68.0472, 0.3012,
0.3359

■ 68.0472, 0.3012,
0.3359

453.6632, 0.3066,
0.3327

■ 49.9361, 0.2999,
0.3367

116.4197, 0.3031,
0.3348

■ 35.3627, 0.2984,
0.3376

147.4499, 0.3038,
0.3343

■ 23.9424, 0.2964,
0.3388

183.5552, 0.3044,
0.3340

■ 15.2909, 0.2938,
0.3404

225.1201, 0.3050,
0.3336

■ 9.0238, 0.2901,
0.3426

272.5290, 0.3055,
0.3333

■ 4.7567, 0.2848,
0.3458

326.1662, 0.3059,

■ 2.1052, 0.2761,

0.3331

0.3511

386.4161, 0.3063,
0.3329

0.6676, 0.2391,
0.3728

0.0000, 0.0000,
0.0000

68.0472, 0.3012,
0.3359

68.0472, 0.3012,
0.3359

64.9716, 0.2902,
0.3435

71.5743, 0.3127,
0.3290

62.3199, 0.2799,
0.3518

75.5618, 0.3245,
0.3228

60.0751, 0.2706,
0.3608

78.2802, 0.3297,
0.3170

58.2154, 0.2627,
0.3703

78.6293, 0.3256,
0.3111

■ 56.7168, 0.2565,
0.3803

■ 78.9902, 0.3215,
0.3053

■ 55.5529, 0.2521,
0.3906

■ 79.3632, 0.3175,
0.2995

■ 54.6933, 0.2497,
0.4010

■ 79.6697, 0.3143,
0.2950

■ 54.1022, 0.2492,
0.4113

■ 53.7158, 0.2504,
0.4216

Harmonies

Analogous

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



68.0472, 0.3110, 0.3436



68.0472, 0.3012, 0.3359



68.0472, 0.2945, 0.3264

Triad

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



68.0472, 0.3012, 0.3359



68.0472, 0.3038, 0.3115



68.0472, 0.3332, 0.3398

Complementary

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



68.0472, 0.3012, 0.3359



59.9699, 0.3257, 0.3222

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.



68.0472, 0.3313, 0.3312



68.0472, 0.3012, 0.3359



68.0472, 0.3142, 0.3150

Square

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



68.0472, 0.3012, 0.3359



68.0472, 0.2960, 0.3124



68.0472, 0.3242, 0.3222



68.0472, 0.3296, 0.3457

Rectangle

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



68.0472, 0.3012, 0.3359



68.0472, 0.2927, 0.3204



68.0472, 0.3242, 0.3222



68.0472, 0.3332, 0.3371

Sweetspot

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



68.0501, 0.3012, 0.3359



98.4434, 0.3092, 0.3310



68.1386, 0.3160, 0.3544



20.9840, 0.3083, 0.3316



0.0000, 0.0000, 0.0000



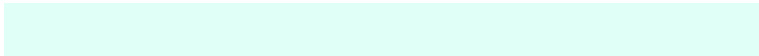
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0501, 0.3012, 0.3359



94.1224, 0.2988, 0.3374



65.8976, 0.2973, 0.3235



14.7654, 0.3018, 0.3355



31.5429, 0.2500, 0.4200



2.0577, 0.2454, 0.4033

Inverse Universe

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



59.9699, 0.3257, 0.3222



80.6580, 0.3288, 0.3207



61.8994, 0.3297, 0.3345



13.1099, 0.3249, 0.3226



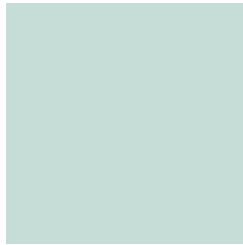
9.1397, 0.5840, 0.2991



0.6065, 0.5370, 0.2732

Previews

White Background



This preview shows how the Yxy color 68.0472, 0.3012, 0.3359 looks on a white background.

Color Contrast Check

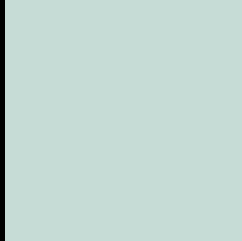
Large Text (above 18pt) WCAG AA × Fail

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 68.0472, 0.3012, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

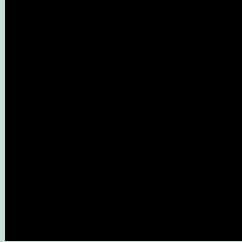
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

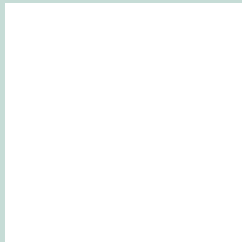
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0472, 0.3012, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 68.0472, 0.3012, 0.3359.

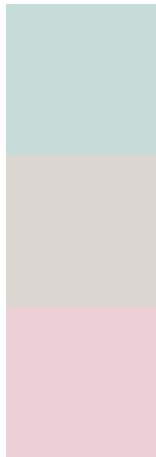


This preview shows how white text looks on a background with the Yxy color 68.0472, 0.3012, 0.3359.

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

68.0472, 0.3012, 0.3359

Protanopia

67.9619, 0.3199, 0.3335

Deuteranopia

67.7318, 0.3275, 0.3205



Tritanopia

67.9837, 0.2907, 0.3099

Trichromacy



Original Color

68.0472, 0.3012, 0.3359

Protanomaly

67.8119, 0.3132, 0.3346

Deuteranomaly

67.5229, 0.3181, 0.3257

Tritanomaly

67.9682, 0.2943, 0.3188

Monochromacy



Original Color

68.0472, 0.3012, 0.3359

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.3257, 0.3090, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0472, 0.3012, 0.3359 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(198, 220, 214)` looks like.

```
.text, #text, p{  
    color:rgb(198, 220, 214)  
}
```

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(198, 220, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 220, 214) }
```

Border

The CSS property to change the border of an element to Yxy 68.0472, 0.3012, 0.3359 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(198, 220, 214) }
```

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

```
.border{ border-color:rgb(198, 220, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 220, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 220, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 220, 214);  
box-shadow:4px 4px 4px 4px rgb(198, 220,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0472, 0.3012, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 220, 214) }
```

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

```
.background{ background-color: rgb(198,  
220, 214) }
```

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