

Converting Colors

$Yxy(68.3512, 0.2966, 0.3392)$

Have a look what the booklet for
Yxy(68.3512, 0.2966, 0.3392)
contains.

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Color

Yxy(68.1740, 0.2964, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	BFDED6
RGB	191, 222, 214
RGB Percent	75%, 87%, 84%
CMY	0.2512, 0.1293, 0.1609
CMYK	0.14, 0.00, 0.04, 0.13
HSL	164°, 32%, 81%
HSV	164°, 14%, 87%
XYZ	59.7303, 68.1740, 73.6150
YIQ	211.8190, -15.9080, -9.0600

Conversions

Conversions Part 2

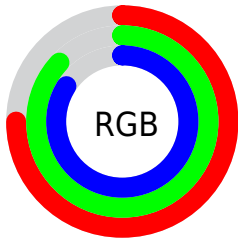
Format	Color
RYB	191, 209, 222
Decimal	12574422
CIELab	86.09, -11.78, 0.49
CIELCh	86, 11.793, 177.632
Yxy	68.1740, 0.2964, 0.3383
Android (android.graphics.Color)	4290764502 (0xFFBFDED6)
YUV	211.8190, 1.0752, -18.2583
Hunter-Lab	82.5675, -15.3642, 4.9359

Details

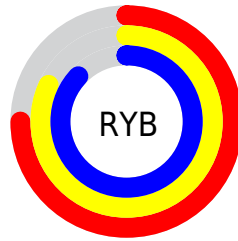
The Yxy color **68.1740, 0.2964, 0.3383** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.8895, 0.3321, 0.3199**, and the grayscale version is **65.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **35.4590, 0.2925, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **65.2261, 0.2854, 0.3457**, and if you desaturate by 10%, it is **71.5743, 0.3080, 0.3315**.

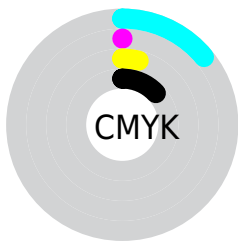
Distribution



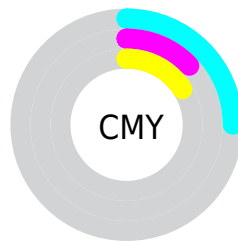
- Red (75%)
- Green (87%)
- Blue (84%)



- Red (75%)
- Yellow (82%)
- Blue (87%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)




- Cyan (25%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1740, 0.2964, 0.3383 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 68.1740, 0.2964, 0.3383 by changing the saturation by 10% instead.


 68.1740, 0.2964,
0.3383

 68.1740, 0.2964,
0.3383

454.1123, 0.3040,
0.3339

 50.0393, 0.2946,
0.3393


 116.6010, 0.2991,
0.3368

 35.4446, 0.2924,
0.3406

147.6622, 0.3001,
0.3362

 24.0056, 0.2896,
0.3422


183.8009, 0.3010,
0.3357

 15.3378, 0.2859,
0.3443

225.4016, 0.3018,
0.3352

 9.0568, 0.2808,
0.3473

272.8487, 0.3024,
0.3349

 4.7782, 0.2732,
0.3516

326.5266, 0.3030,

 2.1177, 0.2610,

0.3345

0.3587

386.8196, 0.3036,
0.3342

0.6746, 0.2045,
0.3903

0.0000, 0.0000,
0.0000

68.1740, 0.2964,
0.3383

68.1740, 0.2964,
0.3383

65.2261, 0.2854,
0.3457

71.5743, 0.3080,
0.3315

62.7022, 0.2753,
0.3538


75.4368, 0.3199,
0.3254

60.5841, 0.2665,
0.3625


79.2962, 0.3301,
0.3199


58.8487, 0.2591,
0.3716


79.6266, 0.3262,
0.3143

 57.4707, 0.2534,
0.3811


 79.9677, 0.3223,
0.3087

 56.4216, 0.2497,
0.3908


 80.3196, 0.3185,
0.3032

 55.6684, 0.2479,
0.4005

 80.6825, 0.3147,
0.2978

 55.1710, 0.2481,
0.4102

 80.7347, 0.3142,
0.2970

 54.9562, 0.2489,
0.4160

Harmonies

Analogous

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



68.1740, 0.3099, 0.3493



68.1740, 0.2964, 0.3383



68.1740, 0.2873, 0.3249

Triad

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



68.1740, 0.2964, 0.3383



68.1740, 0.3006, 0.3048



68.1740, 0.3413, 0.3441

Complementary

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



68.1740, 0.2964, 0.3383



56.8895, 0.3321, 0.3199

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.



68.1740, 0.3388, 0.3322



68.1740, 0.2964, 0.3383



68.1740, 0.3150, 0.3099

Square

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



68.1740, 0.2964, 0.3383



68.1740, 0.2897, 0.3058



68.1740, 0.3291, 0.3198



68.1740, 0.3360, 0.3523

Rectangle

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



68.1740, 0.2964, 0.3383



68.1740, 0.2849, 0.3166



68.1740, 0.3291, 0.3198



68.1740, 0.3414, 0.3404

Sweetspot

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



68.1769, 0.2964, 0.3383



97.9477, 0.3079, 0.3315



68.1865, 0.3169, 0.3654



20.8847, 0.3070, 0.3320



0.0000, 0.0000, 0.0000



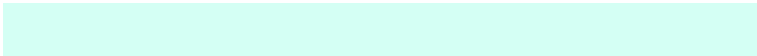
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1769, 0.2964, 0.3383



91.9837, 0.2929, 0.3406



64.8267, 0.2912, 0.3205



15.5086, 0.3016, 0.3351



32.6544, 0.2485, 0.4146



2.2778, 0.2444, 0.3997

Inverse Universe

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



56.8895, 0.3321, 0.3199



73.4926, 0.3372, 0.3178



59.7669, 0.3373, 0.3373



13.7585, 0.3252, 0.3230



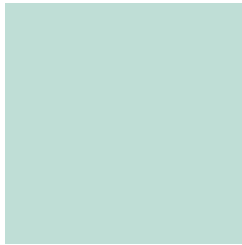
9.4178, 0.5894, 0.3021



0.6672, 0.5453, 0.2778

Previews

White Background



This preview shows how the Yxy color 68.1740, 0.2964, 0.3383 looks on a white background.

Color Contrast Check

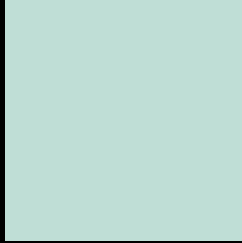
Large Text (above 18pt) WCAG AA × Fail

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 68.1740, 0.2964, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

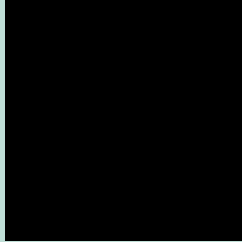
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

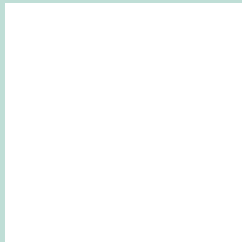
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1740, 0.2964, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 68.1740, 0.2964, 0.3383.

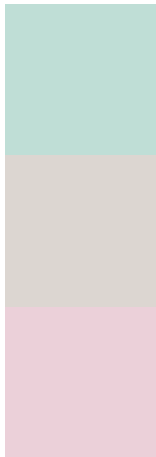


This preview shows how white text looks on a background with the Yxy color 68.1740, 0.2964, 0.3383.

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

68.1740, 0.2964, 0.3383

Protanopia

67.9122, 0.3206, 0.3346

Deuteranopia

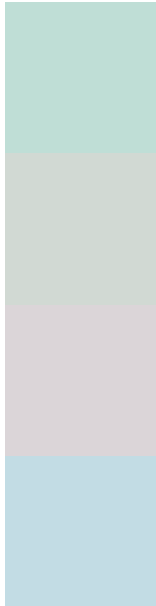
67.7837, 0.3268, 0.3194



Tritanopia

68.3213, 0.2856, 0.3098

Trichromacy



Original Color

68.1740, 0.2964, 0.3383

Protanomaly

67.8842, 0.3110, 0.3358

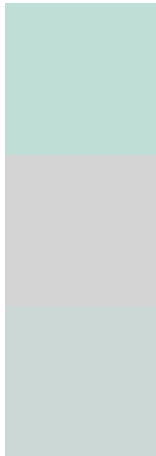
Deuteranomaly

67.6064, 0.3151, 0.3257

Tritanomaly

68.2572, 0.2898, 0.3198

Monochromacy



Original Color

68.1740, 0.2964, 0.3383

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.7532, 0.3061, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1740, 0.2964, 0.3383 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(191, 222, 214)` looks like.

```
.text, #text, p{  
    color:rgb(191, 222, 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(191, 222, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 222, 214) }
```

Border

The CSS property to change the border of an element to Yxy 68.1740, 0.2964, 0.3383 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(191, 222, 214) }
```

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

```
.border{ border-color:rgb(191, 222, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 222, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 222, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 222, 214);  
box-shadow:4px 4px 4px 4px rgb(191, 222,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1740, 0.2964, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 222, 214) }
```

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

```
.background{ background-color: rgb(191,  
222, 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](#).

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