

Converting Colors

$Yxy(68.0243, 0.2968, 0.3391)$

Have a look what the booklet for
Yxy(68.0243, 0.2968, 0.3391)
contains.

Yxy(68.1230, 0.2971, 0.3394)	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(68.1230, 0.2971, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	BFDED5
RGB	191, 222, 213
RGB Percent	75%, 87%, 84%
CMY	0.2507, 0.1295, 0.1647
CMYK	0.14, 0.00, 0.04, 0.13
HSL	163°, 32%, 81%
HSV	163°, 14%, 87%
XYZ	59.6327, 68.1230, 72.9603
YIQ	211.7050, -15.5870, -9.3710

Conversions

Conversions Part 2

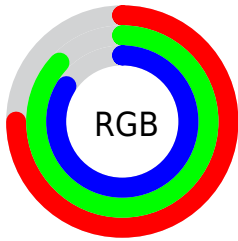
Format	Color
RYB	191, 209, 222
Decimal	12574421
CIELab	86.07, -11.91, 0.97
CIELCh	86, 11.946, 175.364
Yxy	68.1230, 0.2971, 0.3394
Android (android.graphics.Color)	4290764501 (0xFFBFDED5)
YUV	211.7050, 0.6384, -18.1583
Hunter-Lab	82.5367, -15.4729, 5.3648

Details

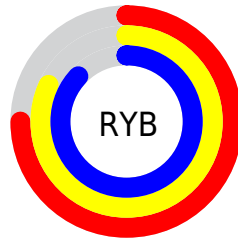
The Yxy color **68.1230, 0.2971, 0.3394** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.9972, 0.3312, 0.3188**, and the grayscale version is **65.6462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **35.4244, 0.2933, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **65.1399, 0.2865, 0.3478**, and if you desaturate by 10%, it is **71.5610, 0.3082, 0.3318**.

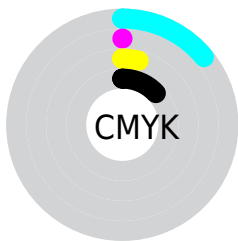
Distribution



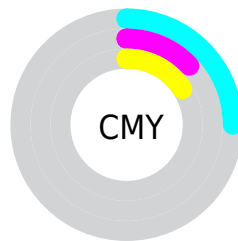
- Red (75%)
- Green (87%)
- Blue (84%)



- 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 68.1230, 0.2971, 0.3394 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 68.1230, 0.2971, 0.3394 by changing the saturation by 10% instead.


 68.1230, 0.2971,
0.3394

 68.1230, 0.2971,
0.3394


453.9317, 0.3044,
0.3345

 49.9978, 0.2954,
0.3405


 116.5281, 0.2997,
0.3377

 35.4117, 0.2933,
0.3420


147.5768, 0.3007,
0.3370

 23.9802, 0.2906,
0.3438


183.7021, 0.3015,
0.3365

 15.3189, 0.2870,
0.3462

225.2884, 0.3022,
0.3360

 9.0435, 0.2821,
0.3495

272.7201, 0.3029,
0.3355

 4.7696, 0.2748,
0.3545

326.3816, 0.3035,

 2.1127, 0.2630,

0.3352

386.6574, 0.3040,
0.3348

0.3626

0.6718, 0.2066,
0.3990

0.0000, 0.0000,
0.0000

68.1230, 0.2971,
0.3394

68.1230, 0.2971,
0.3394

65.1399, 0.2865,
0.3478

71.5610, 0.3082,
0.3318

62.5836, 0.2768,
0.3569


75.4640, 0.3197,
0.3249


60.4356, 0.2682,
0.3667


79.3409, 0.3293,
0.3187


58.6730, 0.2610,
0.3771

79.7149, 0.3249,
0.3124


 57.2702, 0.2556,
0.3878


 80.1025, 0.3206,
0.3062

 56.1989, 0.2521,
0.3988

 80.5039, 0.3164,
0.3001

 55.4261, 0.2506,
0.4099

 80.7145, 0.3142,
0.2970

 54.9117, 0.2511,
0.4209

 54.6857, 0.2521,
0.4275

Harmonies

Analogous

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



68.1230, 0.3110, 0.3502



68.1230, 0.2971, 0.3394



68.1230, 0.2875, 0.3259

Triad

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



68.1230, 0.2971, 0.3394



68.1230, 0.2995, 0.3043



68.1230, 0.3418, 0.3435

Complementary

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



68.1230, 0.2971, 0.3394



56.9972, 0.3312, 0.3188

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.



68.1230, 0.3386, 0.3313



68.1230, 0.2971, 0.3394



68.1230, 0.3139, 0.3091

Square

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



68.1230, 0.2971, 0.3394



68.1230, 0.2888, 0.3059



68.1230, 0.3283, 0.3188



68.1230, 0.3370, 0.3522

Rectangle

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



68.1230, 0.2971, 0.3394



68.1230, 0.2847, 0.3173



68.1230, 0.3283, 0.3188



68.1230, 0.3416, 0.3396

Sweetspot

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



68.1259, 0.2971, 0.3394



97.9271, 0.3081, 0.3319



68.3276, 0.3176, 0.3651



20.8795, 0.3073, 0.3324



0.0000, 0.0000, 0.0000



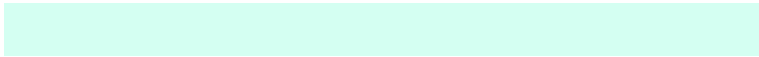
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1259, 0.2971, 0.3394



91.9003, 0.2936, 0.3420



65.3715, 0.2914, 0.3218



15.5009, 0.3020, 0.3359



32.5075, 0.2517, 0.4259



2.2686, 0.2470, 0.4091

Inverse Universe

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



56.9972, 0.3312, 0.3188



73.5672, 0.3362, 0.3164



59.3440, 0.3373, 0.3361



13.7657, 0.3247, 0.3222



9.4643, 0.5787, 0.2962



0.6713, 0.5345, 0.2718

Previews

White Background



This preview shows how the Yxy color 68.1230, 0.2971, 0.3394 looks on a white background.

Color Contrast Check

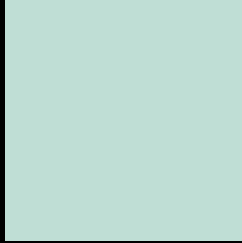
Large Text (above 18pt) WCAG AA × Fail

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 68.1230, 0.2971, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

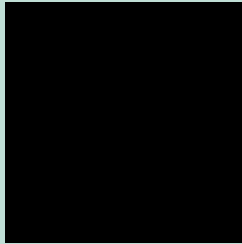
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

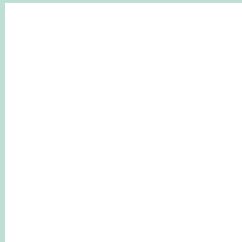
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1230, 0.2971, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 68.1230, 0.2971, 0.3394.

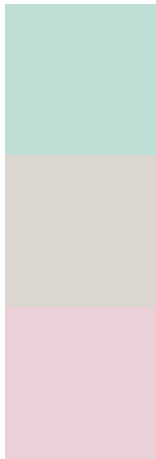


This preview shows how white text looks on a background with the Yxy color 68.1230, 0.2971, 0.3394.

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

68.1230, 0.2971, 0.3394

Protanopia

67.8628, 0.3213, 0.3357

Deuteranopia

67.7318, 0.3275, 0.3205



Tritanopia

68.3213, 0.2856, 0.3098

Trichromacy



Original Color

68.1230, 0.2971, 0.3394

Protanomaly

67.8342, 0.3116, 0.3369

Deuteranomaly

67.5549, 0.3158, 0.3268

Tritanomaly

68.2572, 0.2898, 0.3198

Monochromacy



Original Color

68.1230, 0.2971, 0.3394

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.7026, 0.3067, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1230, 0.2971, 0.3394 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(191, 222, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 222, 213) }
```

Border

The CSS property to change the border of an element to Yxy 68.1230, 0.2971, 0.3394 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, 213) }
```

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

```
.border{ border-color:rgb(191, 222, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 222, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 222, 213);  
box-shadow:4px 4px 4px 4px rgb(191, 222,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1230, 0.2971, 0.3394 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, 213) }
```

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

```
.background{ background-color: rgb(191,  
222, 213) }
```

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