

Converting Colors

Yxy(68.7784, 0.3001, 0.3354)

Have a look what the booklet for
Yxy(68.7784, 0.3001, 0.3354)
contains.

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Color

Yxy(68.6765, 0.2999, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	C6DDD8
RGB	198, 221, 216
RGB Percent	78%, 87%, 85%
CMY	0.2236, 0.1333, 0.1529
CMYK	0.10, 0.00, 0.02, 0.13
HSL	167°, 25%, 82%
HSV	167°, 10%, 87%
XYZ	61.5359, 68.6765, 74.9758
YIQ	213.5530, -12.1030, -6.4310

Conversions

Conversions Part 2

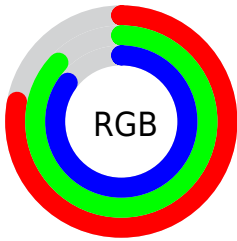
Format	Color
RYB	198, 211, 221
Decimal	13032920
CIELab	86.34, -8.59, -0.16
CIElCh	86, 8.590, 181.042
Yxy	68.6765, 0.2999, 0.3347
Android (android.graphics.Color)	4291223000 (0xFFC6DDD8)
YUV	213.5530, 1.2064, -13.6400
Hunter-Lab	82.8713, -12.4798, 4.3687

Details

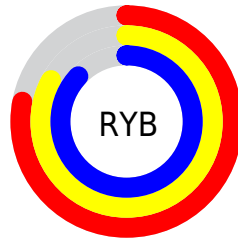
The Yxy color **68.6765, 0.2999, 0.3347** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.0662, 0.3273, 0.3234**, and the grayscale version is **66.9268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7749, 0.2970, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **65.6471, 0.2882, 0.3407**, and if you desaturate by 10%, it is **72.1572, 0.3122, 0.3292**.

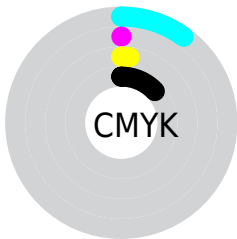
Distribution



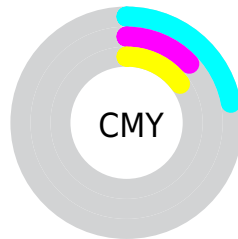
- Red (78%)
- Green (87%)
- Blue (85%)



- Red (78%)
- Yellow (83%)
- Blue (87%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



- Cyan (22%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6765, 0.2999, 0.3347 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 68.6765, 0.2999, 0.3347 by changing the saturation by 10% instead.

■ 68.6765, 0.2999,
0.3347

■ 68.6765, 0.2999,
0.3347

455.8892, 0.3059,
0.3320

■ 50.4483, 0.2985,
0.3353

117.3194, 0.3020,
0.3338

■ 35.7697, 0.2968,
0.3361

148.5029, 0.3028,
0.3334

■ 24.2564, 0.2946,
0.3370

184.7736, 0.3035,
0.3331

■ 15.5239, 0.2917,
0.3383

226.5159, 0.3041,
0.3328

■ 9.1879, 0.2877,
0.3401

274.1142, 0.3046,
0.3326

■ 4.8640, 0.2818,
0.3427

327.9530, 0.3051,

■ 2.1677, 0.2724,

0.3324

0.3468

388.4165, 0.3055,
0.3322

0.7023, 0.2365,
0.3628

0.0000, 0.0000,
0.0000

68.6765, 0.2999,
0.3347

68.6765, 0.2999,
0.3347

65.6471, 0.2882,
0.3407

72.1572, 0.3122,
0.3292

63.0413, 0.2773,
0.3473

76.0983, 0.3248,
0.3243

60.8416, 0.2675,
0.3543


78.7154, 0.3307,
0.3197

59.0262, 0.2592,
0.3618


78.9901, 0.3274,
0.3149


 57.5707, 0.2525,
0.3695

 79.2723, 0.3242,
0.3102


 56.4484, 0.2478,
0.3775

 79.5622, 0.3209,
0.3056


 55.6284, 0.2450,
0.3856

 79.8596, 0.3178,
0.3010

 55.0742, 0.2441,
0.3936

 80.1648, 0.3146,
0.2965

 54.7314, 0.2448,
0.4012

 80.1980, 0.3143,
0.2960

Harmonies

Analogous

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



68.6765, 0.3095, 0.3429



68.6765, 0.2999, 0.3347



68.6765, 0.2937, 0.3250

Triad

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



68.6765, 0.2999, 0.3347



68.6765, 0.3051, 0.3115



68.6765, 0.3333, 0.3409

Complementary

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



68.6765, 0.2999, 0.3347



60.0662, 0.3273, 0.3234

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.



68.6765, 0.3321, 0.3325



68.6765, 0.2999, 0.3347



68.6765, 0.3157, 0.3157

Square

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



68.6765, 0.2999, 0.3347



68.6765, 0.2967, 0.3118



68.6765, 0.3256, 0.3233



68.6765, 0.3289, 0.3464

Rectangle

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



68.6765, 0.2999, 0.3347



68.6765, 0.2923, 0.3192



68.6765, 0.3256, 0.3233



68.6765, 0.3335, 0.3383

Sweetspot

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



68.6794, 0.2999, 0.3347



98.4711, 0.3090, 0.3306



68.5412, 0.3153, 0.3556



20.9915, 0.3080, 0.3310



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.



68.6794, 0.2999, 0.3347



93.7898, 0.2967, 0.3363



65.7590, 0.2967, 0.3219



14.7785, 0.3011, 0.3341



31.8086, 0.2444, 0.4000



2.0730, 0.2408, 0.3870

Inverse Universe

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



60.0662, 0.3273, 0.3234



79.0837, 0.3316, 0.3219



62.6950, 0.3303, 0.3360



13.0977, 0.3258, 0.3239



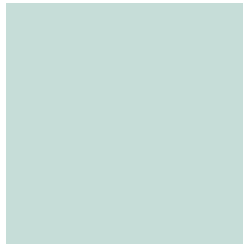
9.0682, 0.6016, 0.3088



0.6004, 0.5557, 0.2835

Previews

White Background



This preview shows how the Yxy color 68.6765, 0.2999, 0.3347 looks on a white background.

Color Contrast Check

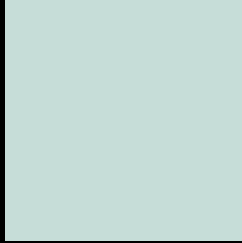
Large Text (above 18pt) WCAG AA × Fail

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 68.6765, 0.2999, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

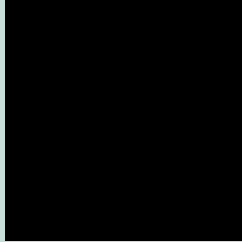
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

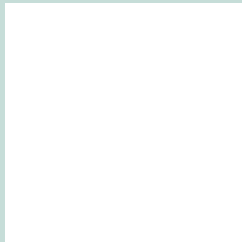
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6765, 0.2999, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 68.6765, 0.2999, 0.3347.

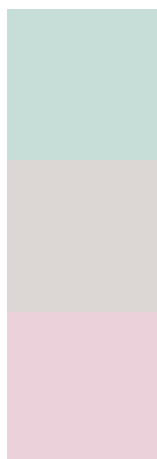


This preview shows how white text looks on a background with the Yxy color 68.6765, 0.2999, 0.3347.

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

68.6765, 0.2999, 0.3347

Protanopia

68.5700, 0.3184, 0.3323

Deuteranopia

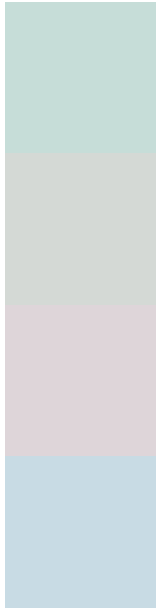
68.3251, 0.3260, 0.3194



Tritanopia

68.5585, 0.2901, 0.3100

Trichromacy



Original Color

68.6765, 0.2999, 0.3347

Protanomaly

68.4269, 0.3118, 0.3335

Deuteranomaly

68.1278, 0.3166, 0.3246

Tritanomaly

68.5438, 0.2937, 0.3188

Monochromacy



Original Color

68.6765, 0.2999, 0.3347

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.9419, 0.3076, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6765, 0.2999, 0.3347 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, 221, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 221, 216)  
}
```

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, 221, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 221, 216) }
```

Border

The CSS property to change the border of an element to Yxy 68.6765, 0.2999, 0.3347 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, 221, 216) }
```

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

```
.border{ border-color:rgb(198, 221, 216) }
```

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

Here you see how a box with a 4 pixel rgb(198, 221, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 221, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 221, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 221,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6765, 0.2999, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 221, 216) }
```

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

```
.background{ background-color: rgb(198,  
221, 216) }
```

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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