

Converting Colors

$Yxy(68.5805, 0.2894, 0.3407)$

Have a look what the booklet for
Yxy(68.5805, 0.2894, 0.3407)
contains.

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Color

Yxy(68.5805, 0.2894, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	B5E1D7
RGB	181, 225, 215
RGB Percent	71%, 88%, 84%
CMY	0.2900, 0.1177, 0.1568
CMYK	0.20, 0.00, 0.04, 0.12
HSL	166°, 42%, 80%
HSV	166°, 20%, 88%
XYZ	58.2542, 68.5805, 74.4583
YIQ	210.7040, -23.0140, -12.4380

Conversions

Conversions Part 2

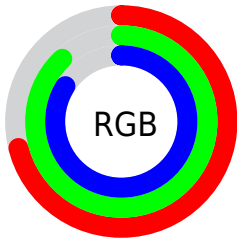
Format	Color
RYB	181, 206, 225
Decimal	11919831
CIELab	86.30, -16.21, 0.17
CIELCh	86, 16.215, 179.403
Yxy	68.5805, 0.2894, 0.3407
Android (android.graphics.Color)	4290109911 (0xFFB5E1D7)
YUV	210.7040, 2.1179, -26.0504
Hunter-Lab	82.8133, -19.3594, 4.6611

Details

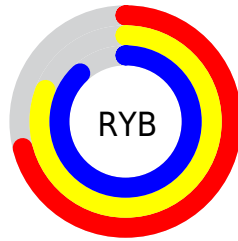
The Yxy color **68.5805, 0.2894, 0.3407** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.8348, 0.3426, 0.3177**, and the grayscale version is **64.9395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **35.7995, 0.2837, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **65.8199, 0.2785, 0.3475**, and if you desaturate by 10%, it is **71.7943, 0.3011, 0.3344**.

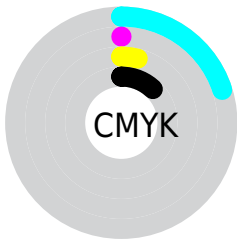
Distribution



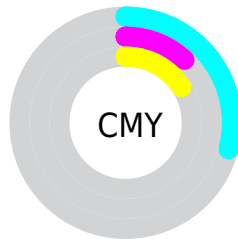
- Red (71%)
- Green (88%)
- Blue (84%)



- Red (71%)
- Yellow (81%)
- Blue (88%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)





- Cyan (29%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5805, 0.2894, 0.3407 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 68.5805, 0.2894, 0.3407 by changing the saturation by 10% instead.


 68.5805, 0.2894,
0.3407

 68.5805, 0.2894,
0.3407


455.5500, 0.3003,
0.3352

 50.3701, 0.2869,
0.3420


 117.1822, 0.2932,
0.3388

 35.7076, 0.2838,
0.3435


148.3423, 0.2947,
0.3381

 24.2084, 0.2798,
0.3455

184.5879, 0.2959,
0.3374

 15.4883, 0.2745,
0.3482

226.3032, 0.2970,
0.3369

 9.1628, 0.2673,
0.3518

273.8726, 0.2980,
0.3364

 4.8475, 0.2567,
0.3571

327.6807, 0.2989,

 2.1581, 0.2397,

0.3360

0.3657

388.1117, 0.2996,
0.3356

0.6970, 0.1559,
0.4074

0.0000, 0.0000,
0.0000

68.5805, 0.2894,
0.3407

68.5805, 0.2894,
0.3407

65.8199, 0.2785,
0.3475

71.7943, 0.3011,
0.3344

63.4827, 0.2687,
0.3549

75.4724, 0.3133,
0.3288

61.5491, 0.2604,
0.3626

79.6362, 0.3258,
0.3236

59.9939, 0.2536,
0.3708

81.1330, 0.3269,
0.3187

■ 58.7894, 0.2488,
0.3791

■ 81.4337, 0.3235,
0.3137

■ 57.9038, 0.2459,
0.3876

■ 81.7430, 0.3201,
0.3088

■ 57.2994, 0.2450,
0.3960

■ 82.0609, 0.3168,
0.3039

■ 56.9140, 0.2457,
0.4044

■ 82.3280, 0.3141,
0.2999

■ 56.8980, 0.2458,
0.4048

Harmonies

Analogous

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



68.5805, 0.3076, 0.3564



68.5805, 0.2894, 0.3407



68.5805, 0.2776, 0.3221

Triad

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



68.5805, 0.2894, 0.3407



68.5805, 0.2972, 0.2963



68.5805, 0.3519, 0.3503

Complementary

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



68.5805, 0.2894, 0.3407



52.8348, 0.3426, 0.3177

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.



68.5805, 0.3491, 0.3341



68.5805, 0.2894, 0.3407



68.5805, 0.3170, 0.3037

Square

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



68.5805, 0.2894, 0.3407



68.5805, 0.2820, 0.2970



68.5805, 0.3361, 0.3173



68.5805, 0.3439, 0.3614

Rectangle

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



68.5805, 0.2894, 0.3407



68.5805, 0.2747, 0.3108



68.5805, 0.3361, 0.3173



68.5805, 0.3522, 0.3452

Sweetspot

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



68.5833, 0.2894, 0.3407



96.9908, 0.3053, 0.3324



68.3010, 0.3174, 0.3814



20.6929, 0.3045, 0.3328



0.0000, 0.0000, 0.0000



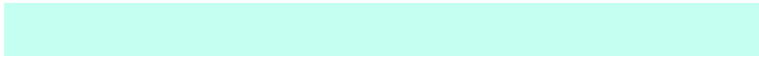
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5833, 0.2894, 0.3407



89.6936, 0.2853, 0.3431



62.9916, 0.2827, 0.3151



15.5162, 0.3012, 0.3344



32.8072, 0.2454, 0.4034



2.2872, 0.2418, 0.3905

Inverse Universe

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



52.8348, 0.3426, 0.3177



65.5353, 0.3497, 0.3154



57.3800, 0.3487, 0.3425



13.7513, 0.3256, 0.3237



9.3775, 0.5991, 0.3074



0.6636, 0.5557, 0.2835

Previews

White Background



This preview shows how the Yxy color 68.5805, 0.2894, 0.3407 looks on a white background.

Color Contrast Check

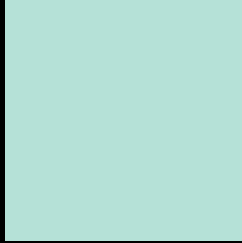
Large Text (above 18pt) WCAG AA × Fail

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 68.5805, 0.2894, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

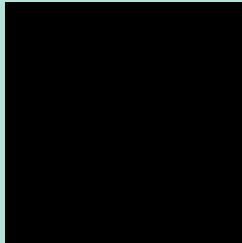
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

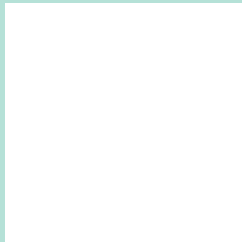
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5805, 0.2894, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 68.5805, 0.2894, 0.3407.

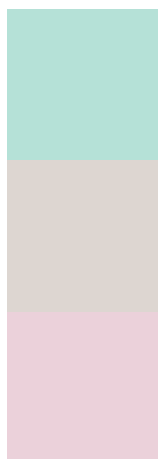


This preview shows how white text looks on a background with the Yxy color 68.5805, 0.2894, 0.3407.

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

68.5805, 0.2894, 0.3407

Protanopia

68.0687, 0.3213, 0.3346

Deuteranopia

68.3251, 0.3260, 0.3194



Tritanopia

68.3840, 0.2783, 0.3085

Trichromacy



Original Color

68.5805, 0.2894, 0.3407

Protanomaly

67.9678, 0.3088, 0.3369

Deuteranomaly

68.0577, 0.3114, 0.3268

Tritanomaly

68.1461, 0.2823, 0.3197

Monochromacy



Original Color

68.5805, 0.2894, 0.3407

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.1446, 0.3039, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5805, 0.2894, 0.3407 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(181, 225, 215)` looks like.

```
.text, #text, p{  
    color:rgb(181, 225, 215)  
}
```

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(181, 225, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 225, 215) }
```

Border

The CSS property to change the border of an element to Yxy 68.5805, 0.2894, 0.3407 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(181, 225, 215) }
```

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

```
.border{ border-color:rgb(181, 225, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 225, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 225, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 225, 215);  
box-shadow:4px 4px 4px 4px rgb(181, 225,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5805, 0.2894, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 225, 215) }
```

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

```
.background{ background-color: rgb(181,  
225, 215) }
```

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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