

Converting Colors

$Yxy(67.9871, 0.2936, 0.3608)$

Have a look what the booklet for
Yxy(67.9871, 0.2936, 0.3608)
contains.

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Color

Yxy(68.1070, 0.2939, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	AEE3C8
RGB	174, 227, 200
RGB Percent	68%, 89%, 78%
CMY	0.3176, 0.1098, 0.2156
CMYK	0.23, 0.00, 0.12, 0.11
HSL	149°, 49%, 79%
HSV	149°, 23%, 89%
XYZ	55.3558, 68.1070, 64.8862
YIQ	208.0750, -22.9210, -19.6330

Conversions

Conversions Part 2

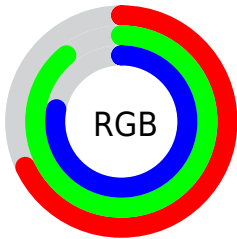
Format	Color
RYB	174, 210, 227
Decimal	11461576
CIELab	86.06, -22.36, 7.66
CIELCh	86, 23.637, 161.087
Yxy	68.1070, 0.2939, 0.3616
Android (android.graphics.Color)	4289651656 (0xFFAEE3C8)
YUV	208.0750, -3.9810, -29.8838
Hunter-Lab	82.5270, -24.6916, 11.1525

Details

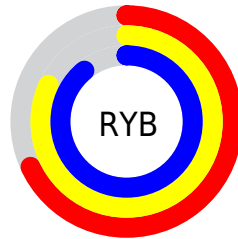
The Yxy color **68.1070, 0.2939, 0.3616** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.8287, 0.3370, 0.2986**, and the grayscale version is **63.1704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **35.1942, 0.2887, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **65.1985, 0.2866, 0.3781**, and if you desaturate by 10%, it is **71.5026, 0.3018, 0.3466**.

Distribution



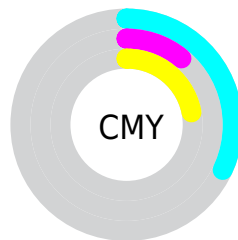
- Red (68%)
- Green (89%)
- Blue (78%)



- Red (68%)
- Yellow (82%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (32%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1070, 0.2939, 0.3616 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 68.1070, 0.2939, 0.3616 by changing the saturation by 10% instead.

 68.1070, 0.2939,
0.3616

 68.1070, 0.2939,
0.3616

453.8750, 0.3029,
0.3460

 49.9848, 0.2918,
0.3653


 116.5052, 0.2971,
0.3561

 35.4013, 0.2891,
0.3700


147.5500, 0.2983,
0.3539

 23.9722, 0.2857,
0.3761


183.6711, 0.2993,
0.3521

 15.3130, 0.2810,
0.3842


225.2529, 0.3002,
0.3506

 9.0393, 0.2745,
0.3958

272.6798, 0.3010,
0.3492

 4.7668, 0.2647,
0.4133

326.3362, 0.3017,

 2.1111, 0.2481,

0.3480

0.4433

386.6065, 0.3023,
0.3469

0.6709, 0.0959,
0.7007

0.0000, 0.0000,
0.0000

68.1070, 0.2939,
0.3616

68.1070, 0.2939,
0.3616

65.1985, 0.2866,
0.3781

71.5026, 0.3018,
0.3466

62.7456, 0.2802,
0.3960

75.3983, 0.3100,
0.3332

60.7261, 0.2749,
0.4150

79.8170, 0.3182,
0.3212

59.1126, 0.2712,
0.4349

82.8668, 0.3196,
0.3102

■ 57.8743, 0.2694,
0.4550

■ 83.4171, 0.3140,
0.3019

■ 56.9758, 0.2696,
0.4749

■ 56.3745, 0.2717,
0.4940

■ 56.0940, 0.2739,
0.5061

Harmonies

Analogous

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



68.1070, 0.3228, 0.3782



68.1070, 0.2939, 0.3616



68.1070, 0.2708, 0.3352

Triad

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



68.1070, 0.2939, 0.3616



68.1070, 0.2754, 0.2810



68.1070, 0.3697, 0.3453

Complementary

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



68.1070, 0.2939, 0.3616



50.8287, 0.3370, 0.2986

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.



68.1070, 0.3559, 0.3210



68.1070, 0.2939, 0.3616



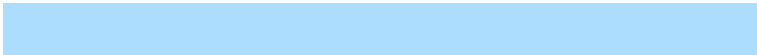
68.1070, 0.3006, 0.2850

Square

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



68.1070, 0.2939, 0.3616



68.1070, 0.2606, 0.2890



68.1070, 0.3302, 0.2994



68.1070, 0.3673, 0.3669

Rectangle

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



68.1070, 0.2939, 0.3616



68.1070, 0.2614, 0.3168



68.1070, 0.3302, 0.2994



68.1070, 0.3668, 0.3372

Sweetspot

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



68.1098, 0.2939, 0.3616



96.1987, 0.3069, 0.3380



70.4662, 0.3289, 0.3908



20.5237, 0.3064, 0.3388



0.0000, 0.0000, 0.0000



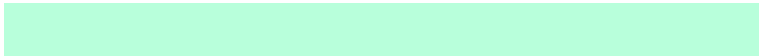
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1098, 0.2939, 0.3616



86.7568, 0.2903, 0.3694



69.4359, 0.2788, 0.3299



16.2065, 0.3049, 0.3412



32.7383, 0.2732, 0.5034



2.4380, 0.2657, 0.4763

Inverse Universe

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



50.8287, 0.3370, 0.2986



60.5399, 0.3434, 0.2920



49.7033, 0.3601, 0.3281



14.4899, 0.3213, 0.3171



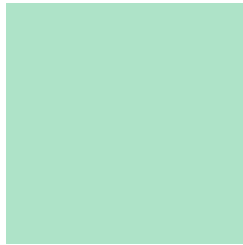
10.2776, 0.4915, 0.2481



0.7782, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 68.1070, 0.2939, 0.3616 looks on a white background.

Color Contrast Check

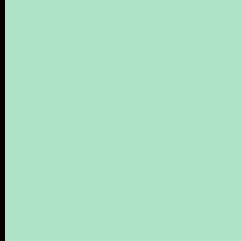
Large Text (above 18pt) WCAG AA × Fail

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 68.1070, 0.2939, 0.3616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

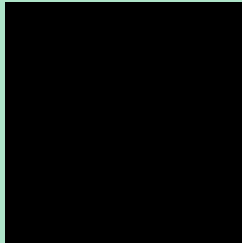
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

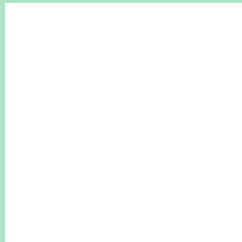
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1070, 0.2939, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 68.1070, 0.2939, 0.3616.

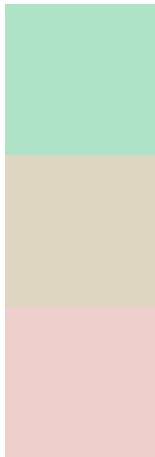


This preview shows how white text looks on a background with the Yxy color 68.1070, 0.2939, 0.3616.

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

68.1070, 0.2939, 0.3616

Protanopia

67.6314, 0.3341, 0.3525

Deuteranopia

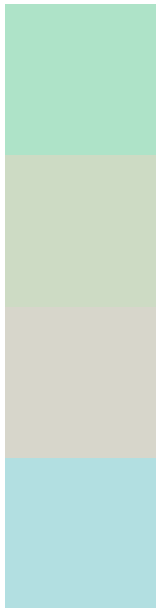
67.3360, 0.3396, 0.3323



Tritanopia

67.7687, 0.2752, 0.3083

Trichromacy



Original Color

68.1070, 0.2939, 0.3616

Protanomaly

67.6277, 0.3180, 0.3556

Deuteranomaly

66.8520, 0.3210, 0.3414

Tritanomaly

67.6766, 0.2815, 0.3266

Monochromacy



Original Color

68.1070, 0.2939, 0.3616

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.7444, 0.3057, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1070, 0.2939, 0.3616 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(174, 227, 200)` looks like.

```
.text, #text, p{  
    color:rgb(174, 227, 200)  
}
```

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(174, 227, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 227, 200) }
```

Border

The CSS property to change the border of an element to Yxy 68.1070, 0.2939, 0.3616 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(174, 227, 200) }
```

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

```
.border{ border-color:rgb(174, 227, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 227, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 227, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 227, 200);  
box-shadow:4px 4px 4px 4px rgb(174, 227,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1070, 0.2939, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 227, 200) }
```

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

```
.background{ background-color: rgb(174,  
227, 200) }
```

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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