

Converting Colors

$Yxy(68.2674, 0.3002, 0.3699)$

Have a look what the booklet for
Yxy(68.2674, 0.3002, 0.3699)
contains.

Yxy(68.2534, 0.3007, 0.3701)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.2534, 0.3007, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	B2E3C1
RGB	178, 227, 193
RGB Percent	70%, 89%, 76%
CMY	0.3020, 0.1098, 0.2431
CMYK	0.22, 0.00, 0.15, 0.11
HSL	138°, 47%, 79%
HSV	138°, 22%, 89%
XYZ	55.4547, 68.2534, 60.7107
YIQ	208.4730, -18.2900, -20.9620

Conversions

Conversions Part 2

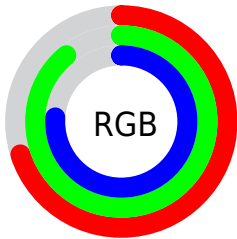
Format	Color
RYB	178, 216, 227
Decimal	11723713
CIELab	86.13, -22.43, 11.48
CIELCh	86, 25.193, 152.897
Yxy	68.2534, 0.3007, 0.3701
Android (android.graphics.Color)	4289913793 (0xFFB2E3C1)
YUV	208.4730, -7.6282, -26.7248
Hunter-Lab	82.6156, -24.7614, 14.2613

Details

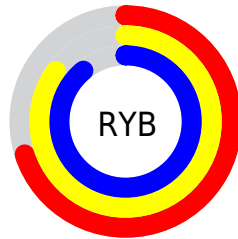
The Yxy color **68.2534, 0.3007, 0.3701** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.9232, 0.3272, 0.2912**, and the grayscale version is **63.4603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8520, 0.3033, 0.3349**, and **35.2750, 0.2974, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **65.1238, 0.2955, 0.3927**, and if you desaturate by 10%, it is **71.9078, 0.3062, 0.3498**.

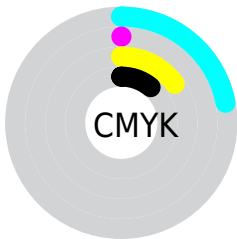
Distribution



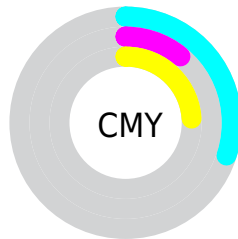
- Red (70%)
- Green (89%)
- Blue (76%)



- Red (70%)
- Yellow (85%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (30%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2534, 0.3007, 0.3701 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 68.2534, 0.3007, 0.3701 by changing the saturation by 10% instead.

 68.2534, 0.3007,
0.3701

 68.2534, 0.3007,
0.3701


454.3933, 0.3066,
0.3503

 50.1039, 0.2993,
0.3748


 116.7146, 0.3028,
0.3631

 35.4960, 0.2974,
0.3808

147.7951, 0.3036,
0.3604

 24.0452, 0.2950,
0.3886


183.9547, 0.3043,
0.3581

 15.3671, 0.2917,
0.3990

225.5778, 0.3049,
0.3561

 9.0775, 0.2870,
0.4139

273.0488, 0.3054,
0.3544

 4.7917, 0.2795,
0.4367

326.7521, 0.3059,

 2.1256, 0.2662,

0.3528

387.0722, 0.3063,
0.3515

0.4757

0.6790, 0.1260,
0.8740

0.0000, 0.0000,
0.0000

68.2534, 0.3007,
0.3701

68.2534, 0.3007,
0.3701

65.1238, 0.2955,
0.3927

71.9078, 0.3062,
0.3498

62.4864, 0.2908,
0.4172

76.1010, 0.3118,
0.3317

60.3177, 0.2871,
0.4433

80.8572, 0.3174,
0.3157

58.5893, 0.2845,
0.4702

83.4210, 0.3140,
0.3019

■ 57.2692, 0.2834,
0.4968

■ 56.3212, 0.2840,
0.5219

■ 55.7020, 0.2862,
0.5442

■ 55.3778, 0.2890,
0.5602

Harmonies

Analogous

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



68.2534, 0.3317, 0.3837



68.2534, 0.3007, 0.3701



68.2534, 0.2738, 0.3437

Triad

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



68.2534, 0.3007, 0.3701



68.2534, 0.2675, 0.2790



68.2534, 0.3711, 0.3392

Complementary

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



68.2534, 0.3007, 0.3701



52.9232, 0.3272, 0.2912

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.



68.2534, 0.3522, 0.3136



68.2534, 0.3007, 0.3701



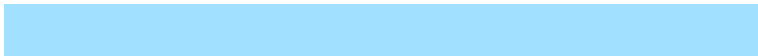
68.2534, 0.2917, 0.2799

Square

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



68.2534, 0.3007, 0.3701



68.2534, 0.2554, 0.2909



68.2534, 0.3227, 0.2925



68.2534, 0.3733, 0.3636

Rectangle

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



68.2534, 0.3007, 0.3701



68.2534, 0.2616, 0.3237



68.2534, 0.3227, 0.2925



68.2534, 0.3665, 0.3305

Sweetspot

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



68.2563, 0.3007, 0.3701



96.5481, 0.3093, 0.3394



72.1972, 0.3343, 0.3847



20.5883, 0.3090, 0.3406



0.0000, 0.0000, 0.0000



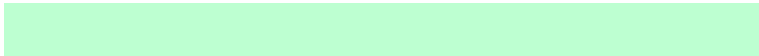
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2563, 0.3007, 0.3701



86.9048, 0.2983, 0.3802



69.4257, 0.2863, 0.3405



16.1615, 0.3074, 0.3457



32.3131, 0.2882, 0.5576



2.4040, 0.2801, 0.5282

Inverse Universe

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



52.9232, 0.3272, 0.2912



63.5061, 0.3310, 0.2828



51.7925, 0.3477, 0.3179



14.5361, 0.3185, 0.3128



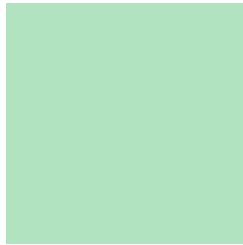
10.9744, 0.4168, 0.2069



0.8274, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 68.2534, 0.3007, 0.3701 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 68.2534, 0.3007, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

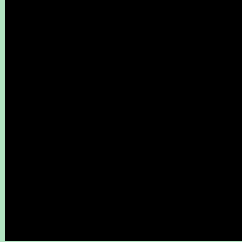
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

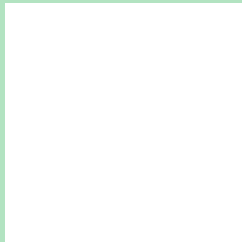
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2534, 0.3007, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 68.2534, 0.3007, 0.3701.

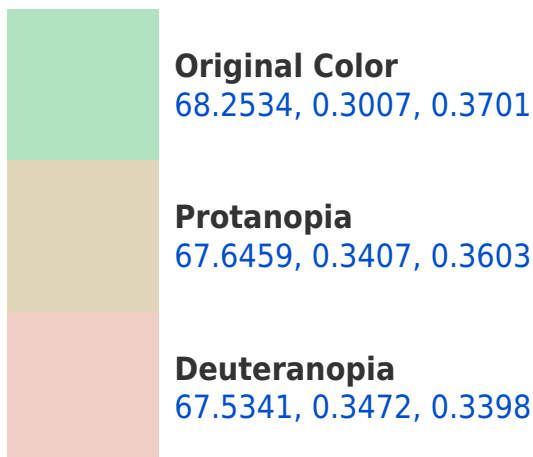


This preview shows how white text looks on a background with the Yxy color 68.2534, 0.3007, 0.3701.

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





Tritanopia

68.3251, 0.2788, 0.3096

Trichromacy



Original Color

68.2534, 0.3007, 0.3701

Protanomaly

67.7471, 0.3249, 0.3636

Deuteranomaly

67.1387, 0.3289, 0.3493

Tritanomaly

68.1166, 0.2864, 0.3301

Monochromacy



Original Color

68.2534, 0.3007, 0.3701

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.7830, 0.3077, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2534, 0.3007, 0.3701 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(178, 227, 193)` looks like.

```
.text, #text, p{  
    color:rgb(178, 227, 193)  
}
```

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(178, 227, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 227, 193) }
```

Border

The CSS property to change the border of an element to Yxy 68.2534, 0.3007, 0.3701 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(178, 227, 193) }
```

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

```
.border{ border-color:rgb(178, 227, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 227, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 227, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 227, 193);  
box-shadow:4px 4px 4px 4px rgb(178, 227,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2534, 0.3007, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 227, 193) }
```

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

```
.background{ background-color: rgb(178,  
227, 193) }
```

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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