

Converting Colors

$Yxy(69.0887, 0.2969, 0.3547)$

Have a look what the booklet for
Yxy(69.0887, 0.2969, 0.3547)
contains.

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Color

Yxy(68.8678, 0.2967, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	B7E2CD
RGB	183, 226, 205
RGB Percent	72%, 89%, 80%
CMY	0.2825, 0.1137, 0.1962
CMYK	0.19, 0.00, 0.09, 0.11
HSL	151°, 43%, 80%
HSV	151°, 19%, 89%
XYZ	57.7369, 68.8678, 67.9921
YIQ	210.7490, -18.8870, -15.6470

Conversions

Conversions Part 2

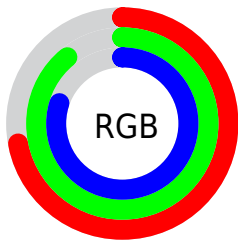
Format	Color
RYB	183, 211, 226
Decimal	12051149
CIELab	86.44, -18.09, 5.67
CIELCh	86, 18.957, 162.595
Yxy	68.8678, 0.2967, 0.3539
Android (android.graphics.Color)	4290241229 (0xFFB7E2CD)
YUV	210.7490, -2.8343, -24.3359
Hunter-Lab	82.9866, -21.0375, 9.5135

Details

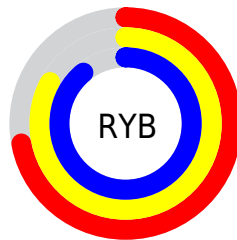
The Yxy color **68.8678, 0.2967, 0.3539** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.3869, 0.3324, 0.3054**, and the grayscale version is **64.9929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **36.0273, 0.2922, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **65.8039, 0.2889, 0.3691**, and if you desaturate by 10%, it is **72.4201, 0.3050, 0.3402**.

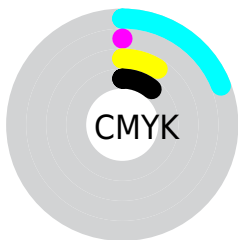
Distribution



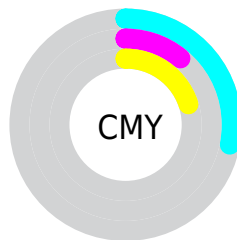
- Red (72%)
- Green (89%)
- Blue (80%)



- Red (72%)
- Yellow (83%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)




- Cyan (28%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8678, 0.2967, 0.3539 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 68.8678, 0.2967, 0.3539 by changing the saturation by 10% instead.


 68.8678, 0.2967,
0.3539

 68.8678, 0.2967,
0.3539


456.5646, 0.3043,
0.3420

 50.6041, 0.2949,
0.3567


 117.5927, 0.2994,
0.3497

 35.8936, 0.2927,
0.3602


148.8227, 0.3004,
0.3481

 24.3520, 0.2898,
0.3647


185.1436, 0.3013,
0.3467

 15.5950, 0.2860,
0.3708

226.9397, 0.3020,
0.3455

 9.2380, 0.2807,
0.3793

274.5954, 0.3027,
0.3445

 4.8967, 0.2727,
0.3921

328.4952, 0.3033,


 2.1868, 0.2595,

0.3436

0.4137


389.0235, 0.3038,
0.3428


 0.7128, 0.1776,
0.5366


 0.0000, 0.0000,
0.0000

 68.8678, 0.2967,
0.3539


 68.8678, 0.2967,
0.3539


 65.8039, 0.2889,
0.3691


 72.4201, 0.3050,
0.3402


 63.1978, 0.2818,
0.3856

 76.4727, 0.3135,
0.3279

 61.0287, 0.2758,
0.4034


 81.0478, 0.3221,
0.3170


 59.2706, 0.2712,
0.4221

 82.5097, 0.3178,
0.3064


 57.8947, 0.2684,
0.4414

 82.8800, 0.3140,
0.3009

 56.8684, 0.2676,
0.4607

 56.1531, 0.2687,
0.4795

 55.6891, 0.2717,
0.4974

 55.6505, 0.2720,
0.4991

Harmonies

Analogous

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



68.8678, 0.3198, 0.3676



68.8678, 0.2967, 0.3539



68.8678, 0.2784, 0.3330

Triad

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



68.8678, 0.2967, 0.3539



68.8678, 0.2837, 0.2902



68.8678, 0.3584, 0.3434

Complementary

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



68.8678, 0.2967, 0.3539



54.3869, 0.3324, 0.3054

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.



68.8678, 0.3480, 0.3237



68.8678, 0.2967, 0.3539



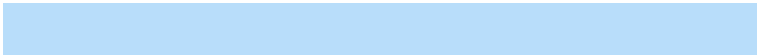
68.8678, 0.3043, 0.2938

Square

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



68.8678, 0.2967, 0.3539



68.8678, 0.2711, 0.2965



68.8678, 0.3279, 0.3059



68.8678, 0.3559, 0.3604

Rectangle

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



68.8678, 0.2967, 0.3539



68.8678, 0.2710, 0.3185



68.8678, 0.3279, 0.3059



68.8678, 0.3563, 0.3369

Sweetspot

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



68.8707, 0.2967, 0.3539



96.7405, 0.3076, 0.3363



70.7250, 0.3255, 0.3787



20.6337, 0.3070, 0.3372



0.0000, 0.0000, 0.0000



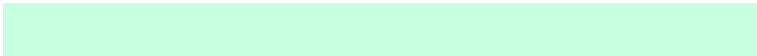
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8707, 0.2967, 0.3539



88.8122, 0.2934, 0.3600



69.9557, 0.2842, 0.3289



15.4536, 0.3047, 0.3407



31.7685, 0.2712, 0.4963



2.2201, 0.2635, 0.4686

Inverse Universe

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



54.3869, 0.3324, 0.3054



66.3350, 0.3376, 0.3000



53.4446, 0.3500, 0.3291



13.8116, 0.3216, 0.3176



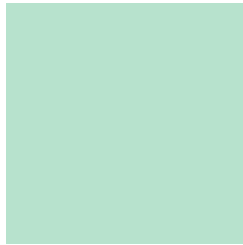
9.8961, 0.4999, 0.2528



0.7040, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 68.8678, 0.2967, 0.3539 looks on a white background.

Color Contrast Check

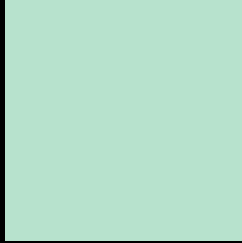
Large Text (above 18pt) WCAG AA × Fail

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 68.8678, 0.2967, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

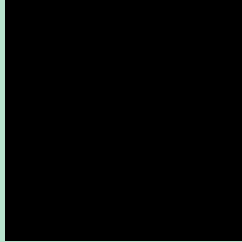
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

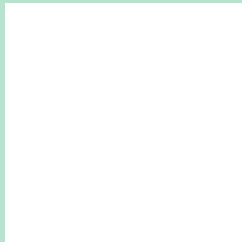
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8678, 0.2967, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 68.8678, 0.2967, 0.3539.

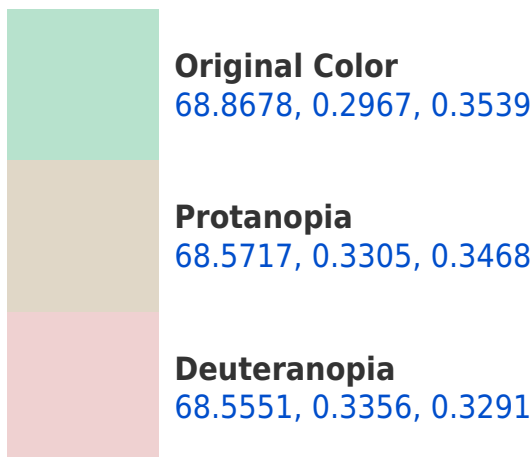


This preview shows how white text looks on a background with the Yxy color 68.8678, 0.2967, 0.3539.

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

68.7637, 0.2801, 0.3086

Trichromacy



Original Color

68.8678, 0.2967, 0.3539

Protanomaly

68.4354, 0.3175, 0.3495

Deuteranomaly

68.2150, 0.3204, 0.3368

Tritanomaly

68.8862, 0.2860, 0.3243

Monochromacy



Original Color

68.8678, 0.2967, 0.3539

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.1327, 0.3066, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8678, 0.2967, 0.3539 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(183, 226, 205)` looks like.

```
.text, #text, p{  
    color:rgb(183, 226, 205)  
}
```

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(183, 226, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 226, 205) }
```

Border

The CSS property to change the border of an element to Yxy 68.8678, 0.2967, 0.3539 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(183, 226, 205) }
```

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

```
.border{ border-color:rgb(183, 226, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 226, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 226, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 226, 205);  
box-shadow:4px 4px 4px 4px rgb(183, 226,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8678, 0.2967, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 226, 205) }
```

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

```
.background{ background-color: rgb(183,  
226, 205) }
```

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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