

Converting Colors

$Yxy(69.2976, 0.2988, 0.3510)$

Have a look what the booklet for
Yxy(69.2976, 0.2988, 0.3510)
contains.

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Color

Yxy(69.5891, 0.2988, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	BCE2CF
RGB	188, 226, 207
RGB Percent	74%, 89%, 81%
CMY	0.2626, 0.1137, 0.1882
CMYK	0.17, 0.00, 0.08, 0.11
HSL	150°, 40%, 81%
HSV	150°, 17%, 89%
XYZ	59.2062, 69.5891, 69.3513
YIQ	212.4720, -16.5490, -13.9650

Conversions

Conversions Part 2

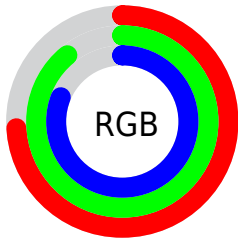
Format	Color
RYB	188, 213, 226
Decimal	12378831
CIELab	86.79, -16.06, 5.15
CIELCh	87, 16.870, 162.213
Yxy	69.5891, 0.2988, 0.3512
Android (android.graphics.Color)	4290568911 (0xFFBCE2CF)
YUV	212.4720, -2.6977, -21.4619
Hunter-Lab	83.4201, -19.2973, 9.1033

Details

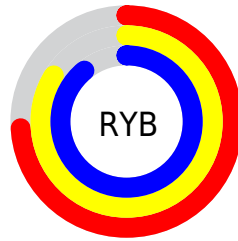
The Yxy color **69.5891, 0.2988, 0.3512** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6575, 0.3293, 0.3078**, and the grayscale version is **66.2020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **36.4941, 0.2949, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **66.4090, 0.2910, 0.3664**, and if you desaturate by 10%, it is **73.2641, 0.3070, 0.3375**.

Distribution



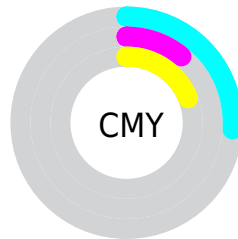
- Red (74%)
- Green (89%)
- Blue (81%)



- Red (74%)
- Yellow (84%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5891, 0.2988, 0.3512 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 69.5891, 0.2988, 0.3512 by changing the saturation by 10% instead.


 69.5891, 0.2988,
0.3512

 69.5891, 0.2988,
0.3512


459.1059, 0.3054,
0.3407

 51.1916, 0.2973,
0.3537


 118.6226, 0.3011,
0.3475

 36.3611, 0.2953,
0.3568


150.0274, 0.3020,
0.3461

 24.7132, 0.2929,
0.3608


186.5368, 0.3028,
0.3448

 15.8635, 0.2896,
0.3661

228.5351, 0.3034,
0.3438

 9.4276, 0.2850,
0.3735

276.4068, 0.3040,
0.3429

 5.0212, 0.2782,
0.3847

330.5362, 0.3045,

 2.2597, 0.2670,

0.3420

0.4033

391.3078, 0.3050,
0.3413

0.7522, 0.2105,
0.4904

0.0000, 0.0000,
0.0000

69.5891, 0.2988,
0.3512

69.5891, 0.2988,
0.3512

66.4090, 0.2910,
0.3664

73.2641, 0.3070,
0.3375

63.6933, 0.2838,
0.3831


77.4455, 0.3154,
0.3252


61.4216, 0.2777,
0.4010

81.9959, 0.3232,
0.3144


59.5685, 0.2729,
0.4200


82.6921, 0.3158,
0.3035


 58.1058, 0.2697,
0.4397

 82.8698, 0.3140,
0.3009

 57.0018, 0.2685,
0.4595

 56.2195, 0.2693,
0.4788

 55.7116, 0.2720,
0.4972

 55.5816, 0.2730,
0.5030

Harmonies

Analogous

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



69.5891, 0.3193, 0.3631



69.5891, 0.2988, 0.3512



69.5891, 0.2824, 0.3329

Triad

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



69.5891, 0.2988, 0.3512



69.5891, 0.2867, 0.2945



69.5891, 0.3531, 0.3417

Complementary

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



69.5891, 0.2988, 0.3512



56.6575, 0.3293, 0.3078

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.



69.5891, 0.3438, 0.3242



69.5891, 0.2988, 0.3512



69.5891, 0.3051, 0.2975

Square

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



69.5891, 0.2988, 0.3512



69.5891, 0.2756, 0.3003



69.5891, 0.3260, 0.3082



69.5891, 0.3511, 0.3568

Rectangle

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



69.5891, 0.2988, 0.3512



69.5891, 0.2757, 0.3200



69.5891, 0.3260, 0.3082



69.5891, 0.3512, 0.3359

Sweetspot

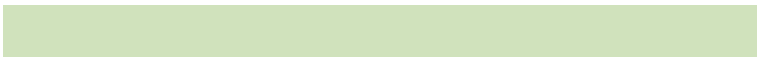
The Sweet Spot groups the original color and five complimentary colors.



69.5920, 0.2988, 0.3512



97.2576, 0.3085, 0.3352



71.3816, 0.3245, 0.3724



20.7376, 0.3079, 0.3361



0.0000, 0.0000, 0.0000



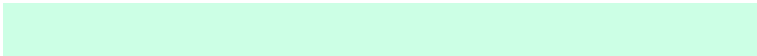
21.4041, 0.3127, 0.3290

Same Dimension

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



69.5920, 0.2988, 0.3512



90.0423, 0.2961, 0.3561



70.5423, 0.2878, 0.3297



15.4510, 0.3048, 0.3410



31.7350, 0.2723, 0.5002



2.2178, 0.2644, 0.4719

Inverse Universe

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



56.6575, 0.3293, 0.3078



70.1311, 0.3333, 0.3034



55.8115, 0.3442, 0.3284



13.8143, 0.3214, 0.3173



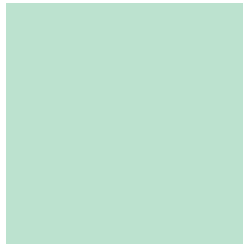
9.9287, 0.4952, 0.2501



0.7063, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 69.5891, 0.2988, 0.3512 looks on a white background.

Color Contrast Check

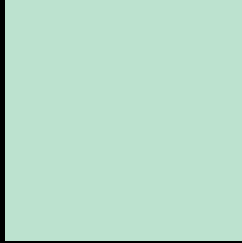
Large Text (above 18pt) WCAG AA × Fail

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 69.5891, 0.2988, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

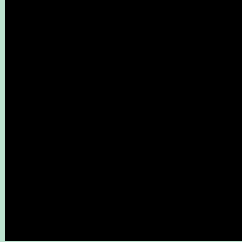
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

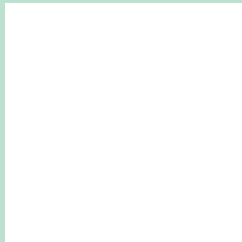
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.5891, 0.2988, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 69.5891, 0.2988, 0.3512.

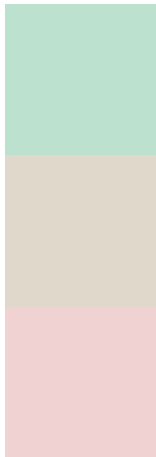


This preview shows how white text looks on a background with the Yxy color 69.5891, 0.2988, 0.3512.

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**

69.5891, 0.2988, 0.3512

Protanopia

69.2233, 0.3282, 0.3445

Deuteranopia

69.2716, 0.3354, 0.3291



Tritanopia

69.4142, 0.2833, 0.3088

Trichromacy



Original Color

69.5891, 0.2988, 0.3512

Protanomaly

69.3949, 0.3169, 0.3471

Deuteranomaly

69.0873, 0.3211, 0.3368

Tritanomaly

69.5279, 0.2892, 0.3244

Monochromacy



Original Color

69.5891, 0.2988, 0.3512

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.9754, 0.3073, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5891, 0.2988, 0.3512 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(188, 226, 207)` looks like.

```
.text, #text, p{  
    color:rgb(188, 226, 207)  
}
```

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(188, 226, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 226, 207) }
```

Border

The CSS property to change the border of an element to Yxy 69.5891, 0.2988, 0.3512 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(188, 226, 207) }
```

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

```
.border{ border-color:rgb(188, 226, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 226, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 226, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 226, 207);  
box-shadow:4px 4px 4px 4px rgb(188, 226,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5891, 0.2988, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 226, 207) }
```

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

```
.background{ background-color: rgb(188,  
226, 207) }
```

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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