

Converting Colors

$Yxy(76.9493, 0.2989, 0.3659)$

Have a look what the booklet for
Yxy(76.9493, 0.2989, 0.3659)
contains.

Yxy(76.9294, 0.2989, 0.3657)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.9294, 0.2989, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	BCEFCF
RGB	188, 239, 207
RGB Percent	74%, 94%, 81%
CMY	0.2625, 0.0628, 0.1883
CMYK	0.21, 0.00, 0.13, 0.06
HSL	142°, 61%, 84%
HSV	142°, 21%, 94%
XYZ	62.8772, 76.9294, 70.5554
YIQ	220.1030, -20.1240, -20.7640

Conversions

Conversions Part 2

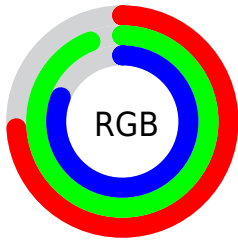
Format	Color
RYB	188, 225, 239
Decimal	12382159
CIELab	90.29, -22.48, 10.19
CIELCh	90, 24.677, 155.616
Yxy	76.9294, 0.2989, 0.3657
Android (android.graphics.Color)	4290572239 (0xFFBCEFCF)
YUV	220.1030, -6.4598, -28.1543
Hunter-Lab	87.7094, -25.5282, 13.7024

Details

The Yxy color **76.9294, 0.2989, 0.3657** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.5131, 0.3297, 0.2950**, and the grayscale version is **71.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **41.2352, 0.2952, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **73.4432, 0.2929, 0.3860**, and if you desaturate by 10%, it is **80.9946, 0.3053, 0.3474**.

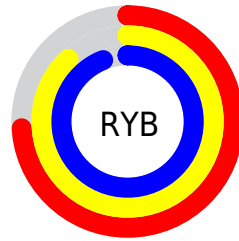
Distribution



Red (74%)

Green (94%)

Blue (81%)



Red (74%)

Yellow (88%)

Blue (94%)

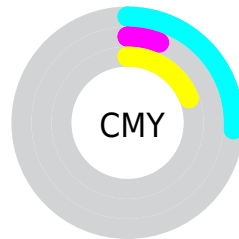


Cyan (21%)

Magenta (0%)

Yellow (13%)

Black (6%)



Cyan (26%)


Magenta (6%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9294, 0.2989, 0.3657 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 76.9294, 0.2989, 0.3657 by changing the saturation by 10% instead.


 76.9294, 0.2989,
0.3657

 76.9294, 0.2989,
0.3657

484.5233, 0.3055,
0.3484

 57.1949, 0.2974,
0.3697


 129.0398, 0.3012,
0.3596

 41.1618, 0.2954,
0.3747


162.1846, 0.3021,
0.3573

 28.4455, 0.2930,
0.3812


200.5682, 0.3029,
0.3553

 18.6618, 0.2897,
0.3897

244.5751, 0.3035,
0.3536

 11.4261, 0.2851,
0.4015

294.5896, 0.3041,
0.3520

 6.3542, 0.2782,
0.4190

350.9963, 0.3046,

 3.0616, 0.2669,

0.3507

0.4473

414.1793, 0.3051,
0.3495

■ 1.1640, 0.2399,
0.5229

■ 0.0320, 0.0000,
1.0000

■ 76.9294, 0.2989,
0.3657

■ 76.9294, 0.2989,
0.3657

■ 73.4432, 0.2929,
0.3860

■ 80.9946, 0.3053,
0.3474

■ 70.4997, 0.2875,
0.4082

■ 85.6540, 0.3119,
0.3310

■ 68.0732, 0.2831,
0.4318

■ 90.0203, 0.3152,
0.3164

■ 66.1322, 0.2801,
0.4564

■ 90.2093, 0.3134,
0.3136

■ 64.6414, 0.2787,
0.4810

■ 63.5608, 0.2791,
0.5048

■ 62.8424, 0.2813,
0.5268

■ 62.4471, 0.2844,
0.5438

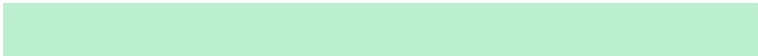
Harmonies

Analogous

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



76.9294, 0.3281, 0.3798



76.9294, 0.2989, 0.3657



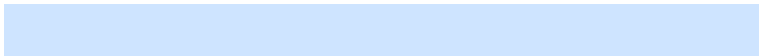
76.9294, 0.2742, 0.3404

Triad

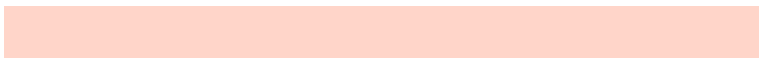
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9294, 0.2989, 0.3657



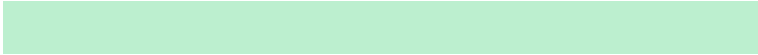
76.9294, 0.2717, 0.2814



76.9294, 0.3685, 0.3409

Complementary

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



76.9294, 0.2989, 0.3657



59.5131, 0.3297, 0.2950

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.



76.9294, 0.3520, 0.3167



76.9294, 0.2989, 0.3657



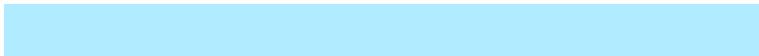
76.9294, 0.2954, 0.2833

Square

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



76.9294, 0.2989, 0.3657



76.9294, 0.2591, 0.2916



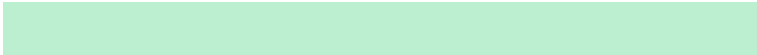
76.9294, 0.3248, 0.2960



76.9294, 0.3691, 0.3636

Rectangle

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



76.9294, 0.2989, 0.3657



76.9294, 0.2633, 0.3217



76.9294, 0.3248, 0.2960



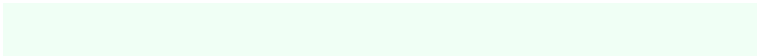
76.9294, 0.3646, 0.3327

Sweetspot

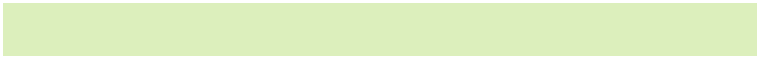
The Sweet Spot groups the original color and five complimentary colors.



76.9326, 0.2989, 0.3657



96.6089, 0.3088, 0.3385



80.6281, 0.3317, 0.3845



20.6026, 0.3083, 0.3395



0.0000, 0.0000, 0.0000



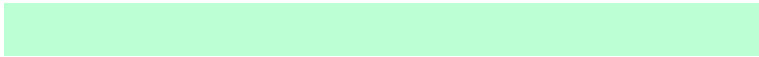
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9326, 0.2989, 0.3657



87.1215, 0.2960, 0.3752



78.2661, 0.2847, 0.3365



17.7535, 0.3065, 0.3442



34.5350, 0.2836, 0.5408



2.8916, 0.2762, 0.5143

Inverse Universe

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



59.5131, 0.3297, 0.2950



63.2600, 0.3344, 0.2870



58.2756, 0.3501, 0.3217



15.9260, 0.3195, 0.3143



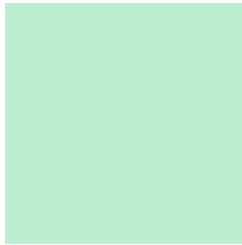
11.3877, 0.4424, 0.2211



0.9665, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 76.9294, 0.2989, 0.3657 looks on a white background.

Color Contrast Check

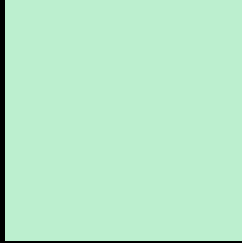
Large Text (above 18pt) WCAG AA × Fail

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 76.9294, 0.2989, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

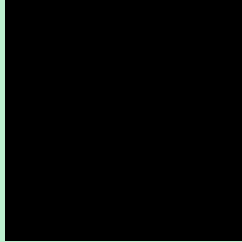
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

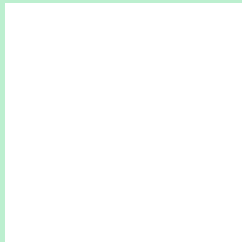
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9294, 0.2989, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 76.9294, 0.2989, 0.3657.

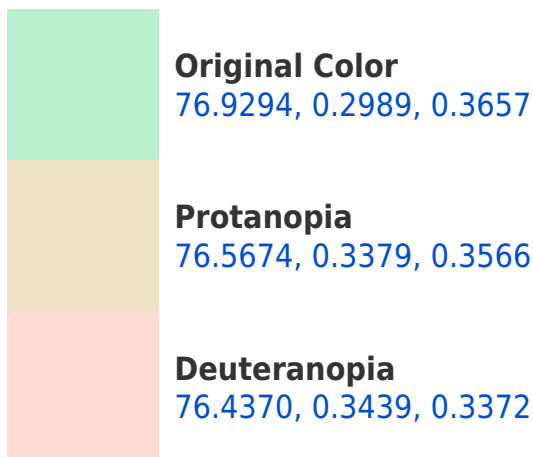


This preview shows how white text looks on a background with the Yxy color 76.9294, 0.2989, 0.3657.

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

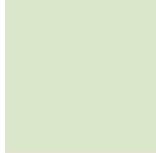
76.9786, 0.2786, 0.3094

Trichromacy



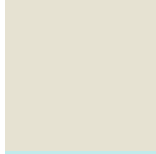
Original Color

76.9294, 0.2989, 0.3657



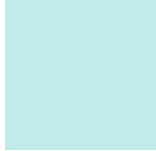
Protanomaly

76.5237, 0.3223, 0.3597



Deuteranomaly

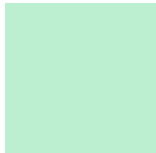
75.8689, 0.3260, 0.3461



Tritanomaly

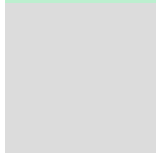
76.7523, 0.2858, 0.3289

Monochromacy



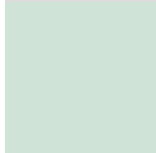
Original Color

76.9294, 0.2989, 0.3657



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.2544, 0.3073, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9294, 0.2989, 0.3657 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, 239, 207)` looks like.

```
.text, #text, p{  
    color:rgb(188, 239, 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, 239, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 239, 207) }
```

Border

The CSS property to change the border of an element to Yxy 76.9294, 0.2989, 0.3657 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, 239, 207) }
```

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

```
.border{ border-color:rgb(188, 239, 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, 239, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 239, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 239, 207);  
box-shadow:4px 4px 4px 4px rgb(188, 239,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9294, 0.2989, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 239, 207) }
```

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

```
.background{ background-color: rgb(188,  
239, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor