

Converting Colors

Yxy(77.9676, 0.3198, 0.4179)

Have a look what the booklet for
Yxy(77.9676, 0.3198, 0.4179)
contains.

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Color

Yxy(77.9676, 0.3198, 0.4179)

Conversions

Conversions Part 1

Format	Color
Hex	BAF4A8
RGB	186, 244, 168
RGB Percent	73%, 96%, 66%
CMY	0.2706, 0.0431, 0.3413
CMYK	0.24, 0.00, 0.31, 0.04
HSL	106°, 78%, 81%
HSV	106°, 31%, 96%
XYZ	59.6651, 77.9676, 48.9373
YIQ	217.9940, -10.1720, -35.9320

Conversions

Conversions Part 2

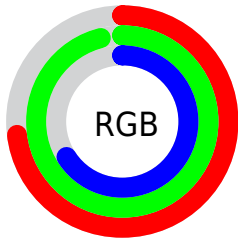
Format	Color
RYB	168, 244, 226
Decimal	12252328
CIELab	90.77, -32.08, 30.88
CIElCh	91, 44.524, 136.090
Yxy	77.9676, 0.3198, 0.4179
Android (android.graphics.Color)	4290442408 (0xFFBAF4A8)
YUV	217.9940, -24.6470, -28.0587
Hunter-Lab	88.2993, -33.9087, 28.9497

Details

The Yxy color **77.9676, 0.3198, 0.4179** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.6955, 0.3016, 0.2479**, and the grayscale version is **70.2847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9565, 0.3232, 0.3599**, and **42.0295, 0.3197, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **74.9635, 0.3211, 0.4510**, and if you desaturate by 10%, it is **81.4529, 0.3179, 0.3866**.

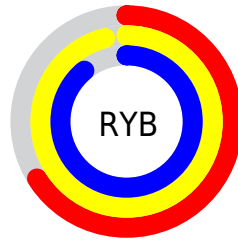
Distribution



Red (73%)

Green (96%)

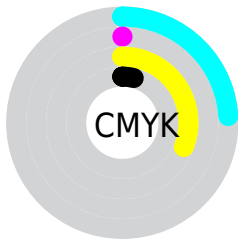
Blue (66%)



Red (66%)

Yellow (96%)

Blue (89%)

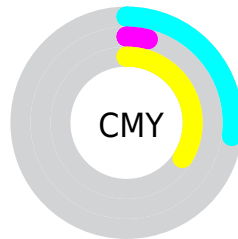


Cyan (24%)

Magenta (0%)

Yellow (31%)

Black (4%)



Cyan (27%)


Magenta (4%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9676, 0.3198, 0.4179 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 77.9676, 0.3198, 0.4179 by changing the saturation by 10% instead.

 77.9676, 0.3198,
0.4179


 77.9676, 0.3198,
0.4179


488.0568, 0.3178,
0.3753

 58.0474, 0.3199,
0.4279

 130.5044, 0.3194,
0.4029

 41.8467, 0.3199,
0.4404


 163.8898, 0.3191,
0.3971

 28.9813, 0.3195,
0.4565


202.5324, 0.3189,
0.3922

 19.0667, 0.3185,
0.4777

246.8166, 0.3186,
0.3879

 11.7185, 0.3161,
0.5069

297.1267, 0.3184,
0.3841

 6.5523, 0.3103,
0.5492

353.8472, 0.3182,

 3.1837, 0.3032,

0.3809

0.6288

417.3624, 0.3180,
0.3779

1.2284, 0.2216,
0.7784

0.0847, 0.0000,
1.0000

77.9676, 0.3198,
0.4179

77.9676, 0.3198,
0.4179

74.9635, 0.3211,
0.4510

81.4529, 0.3179,
0.3866

72.4092, 0.3216,
0.4847

85.4291, 0.3156,
0.3578

70.2853, 0.3209,
0.5170

89.9183, 0.3130,
0.3318

68.5667, 0.3191,
0.5458

93.1863, 0.3132,
0.3185

■ 67.2255, 0.3161,
0.5689

■ 66.2298, 0.3121,
0.5849

■ 65.6007, 0.3083,
0.5934

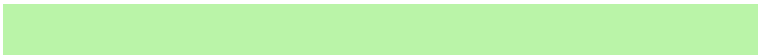
Harmonies

Analogous

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



77.9676, 0.3699, 0.4222



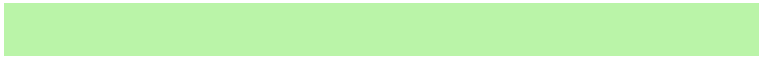
77.9676, 0.3198, 0.4179



77.9676, 0.2702, 0.3822

Triad

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



77.9676, 0.3198, 0.4179



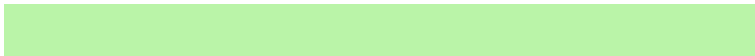
77.9676, 0.2250, 0.2541



77.9676, 0.3971, 0.3200

Complementary

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



77.9676, 0.3198, 0.4179



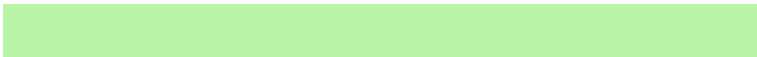
50.6955, 0.3016, 0.2479

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.



77.9676, 0.3520, 0.2829



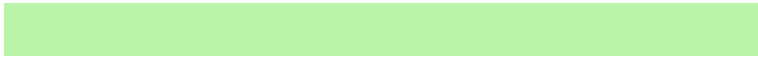
77.9676, 0.3198, 0.4179



77.9676, 0.2530, 0.2459

Square

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



77.9676, 0.3198, 0.4179



77.9676, 0.2183, 0.2829



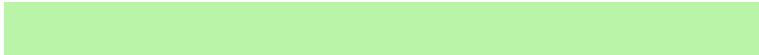
77.9676, 0.2985, 0.2566



77.9676, 0.4172, 0.3613

Rectangle

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



77.9676, 0.3198, 0.4179



77.9676, 0.2439, 0.3476



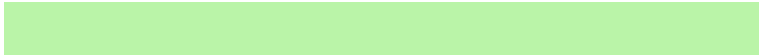
77.9676, 0.2985, 0.2566



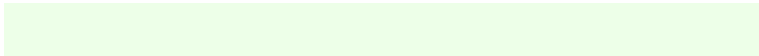
77.9676, 0.3842, 0.3068

Sweetspot

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



77.9709, 0.3198, 0.4179



95.4378, 0.3150, 0.3520



75.9113, 0.3654, 0.3890



20.2792, 0.3154, 0.3559



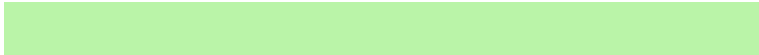
0.0000, 0.0000, 0.0000



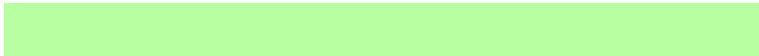
21.4041, 0.3127, 0.3290

Same Dimension

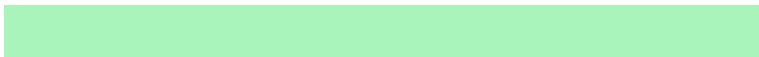
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9709, 0.3198, 0.4179



84.1493, 0.3207, 0.4374



76.6156, 0.2980, 0.3973



18.6615, 0.3151, 0.3532



35.7191, 0.3092, 0.5927



3.1846, 0.3176, 0.5861

Inverse Universe

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



50.6955, 0.3016, 0.2479



49.8507, 0.2988, 0.2320



52.6671, 0.3319, 0.2693



16.5589, 0.3100, 0.3054



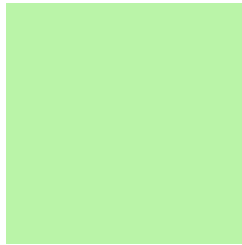
9.3054, 0.2615, 0.1214



0.8644, 0.2693, 0.1257

Previews

White Background



This preview shows how the Yxy color 77.9676, 0.3198, 0.4179 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 77.9676, 0.3198, 0.4179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

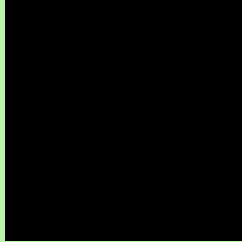
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

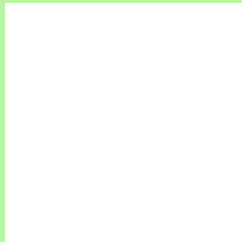
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9676, 0.3198, 0.4179

Background



This preview shows how black text looks on a background with the Yxy color 77.9676, 0.3198, 0.4179.

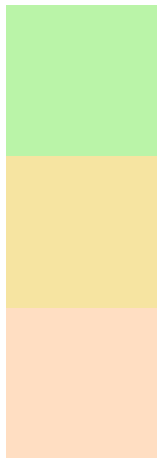


This preview shows how white text looks on a background with the Yxy color 77.9676, 0.3198, 0.4179.

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

77.9676, 0.3198, 0.4179

Protanopia

77.6528, 0.3707, 0.3988

Deuteranopia

77.3976, 0.3563, 0.3576



Tritanopia

77.5855, 0.2805, 0.3085

Trichromacy



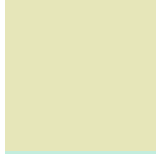
Original Color

77.9676, 0.3198, 0.4179



Protanomaly

77.3733, 0.3505, 0.4056



Deuteranomaly

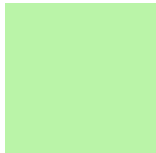
76.9194, 0.3421, 0.3776



Tritanomaly

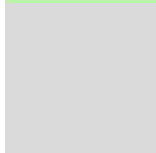
77.3909, 0.2951, 0.3469

Monochromacy



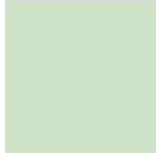
Original Color

77.9676, 0.3198, 0.4179



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.2301, 0.3154, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9676, 0.3198, 0.4179 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(186, 244, 168)` looks like.

```
.text, #text, p{  
    color:rgb(186, 244, 168)  
}
```

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(186, 244, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 244, 168) }
```

Border

The CSS property to change the border of an element to Yxy 77.9676, 0.3198, 0.4179 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(186, 244, 168) }
```

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

```
.border{ border-color:rgb(186, 244, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 244, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 244, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 244, 168);  
box-shadow:4px 4px 4px 4px rgb(186, 244,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9676, 0.3198, 0.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 244, 168) }
```

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

```
.background{ background-color: rgb(186,  
244, 168) }
```

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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