

Converting Colors

$Yxy(76.5264, 0.2895, 0.3740)$

Have a look what the booklet for
Yxy(76.5264, 0.2895, 0.3740)
contains.

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Color

Yxy(76.4099, 0.2898, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	AAF2CC
RGB	170, 242, 204
RGB Percent	67%, 95%, 80%
CMY	0.3331, 0.0510, 0.1999
CMYK	0.30, 0.00, 0.16, 0.05
HSL	148°, 73%, 81%
HSV	148°, 30%, 95%
XYZ	59.2391, 76.4099, 68.7648
YIQ	216.1400, -30.7140, -27.0820

Conversions

Conversions Part 2

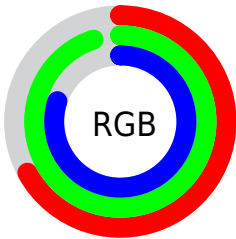
Format	Color
RYB	170, 219, 242
Decimal	11203276
CIELab	90.05, -30.01, 11.25
CIELCh	90, 32.051, 159.450
Yxy	76.4099, 0.2898, 0.3738
Android (android.graphics.Color)	4289393356 (0xFFAAF2CC)
YUV	216.1400, -5.9850, -40.4648
Hunter-Lab	87.4128, -32.0039, 14.5474

Details

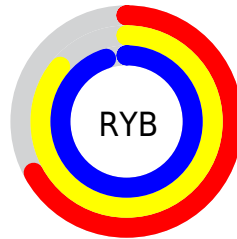
The Yxy color **76.4099, 0.2898, 0.3738** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.2018, 0.3446, 0.2883**, and the grayscale version is **68.8370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.0328, 0.2842, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **73.3705, 0.2832, 0.3920**, and if you desaturate by 10%, it is **80.0023, 0.2971, 0.3571**.

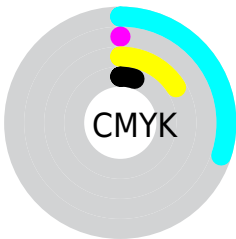
Distribution



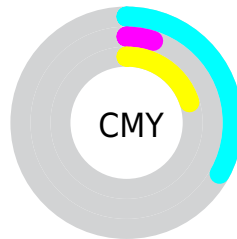
- Red (67%)
- Green (95%)
- Blue (80%)



- Red (67%)
- Yellow (86%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)





- Cyan (33%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4099, 0.2898, 0.3738 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 76.4099, 0.2898, 0.3738 by changing the saturation by 10% instead.


 76.4099, 0.2898,
0.3738

 76.4099, 0.2898,
0.3738


482.7497, 0.3006,
0.3526

 56.7687, 0.2873,
0.3788

 128.3062, 0.2936,
0.3663

 40.8196, 0.2841,
0.3850


161.3300, 0.2951,
0.3634

 28.1781, 0.2800,
0.3930

199.5835, 0.2963,
0.3610

 18.4600, 0.2747,
0.4036

243.4510, 0.2974,
0.3588

 11.2807, 0.2672,
0.4185

293.3170, 0.2984,
0.3570

 6.2560, 0.2561,
0.4406

349.5659, 0.2992,

 3.0014, 0.2380,

0.3553

412.5820, 0.3000,
0.3539

0.4768

1.1324, 0.1726,
0.6017

0.0055, 0.0000,
1.0000

76.4099, 0.2898,
0.3738

76.4099, 0.2898,
0.3738

73.3705, 0.2832,
0.3920

80.0023, 0.2971,
0.3571

70.8462, 0.2777,
0.4115

84.1647, 0.3049,
0.3421

68.8090, 0.2736,
0.4319

88.9247, 0.3129,
0.3287

67.2242, 0.2712,
0.4529

91.9802, 0.3133,
0.3165

■ 66.0526, 0.2708,
0.4737

■ 65.2473, 0.2724,
0.4937

■ 64.7332, 0.2757,
0.5124

■ 64.7209, 0.2758,
0.5129

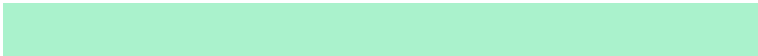
Harmonies

Analogous

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



76.4099, 0.3273, 0.3948



76.4099, 0.2898, 0.3738



76.4099, 0.2597, 0.3387

Triad

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



76.4099, 0.2898, 0.3738



76.4099, 0.2630, 0.2673



76.4099, 0.3869, 0.3475

Complementary

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



76.4099, 0.2898, 0.3738



52.2018, 0.3446, 0.2883

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.



76.4099, 0.3677, 0.3165



76.4099, 0.2898, 0.3738



76.4099, 0.2946, 0.2720

Square

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



76.4099, 0.2898, 0.3738



76.4099, 0.2450, 0.2778



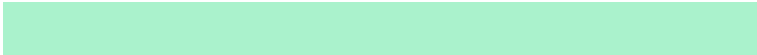
76.4099, 0.3331, 0.2896



76.4099, 0.3846, 0.3762

Rectangle

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



76.4099, 0.2898, 0.3738



76.4099, 0.2473, 0.3143



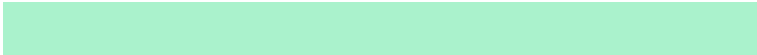
76.4099, 0.3331, 0.2896



76.4099, 0.3828, 0.3371

Sweetspot

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



76.4131, 0.2898, 0.3738



95.1483, 0.3055, 0.3411



79.8758, 0.3340, 0.4095



20.2089, 0.3043, 0.3432



0.0000, 0.0000, 0.0000



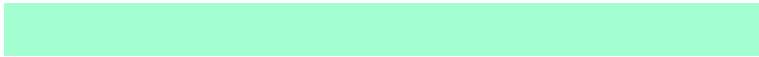
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4131, 0.2898, 0.3738



83.8103, 0.2855, 0.3852



78.3197, 0.2710, 0.3316



17.7807, 0.3051, 0.3417



34.7980, 0.2750, 0.5099



2.9148, 0.2681, 0.4850

Inverse Universe

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



52.2018, 0.3446, 0.2883



52.2616, 0.3538, 0.2793



50.6423, 0.3772, 0.3265



15.8983, 0.3210, 0.3166



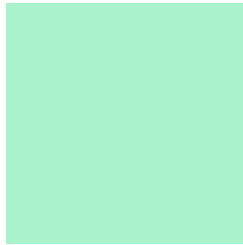
11.0025, 0.4840, 0.2440



0.9354, 0.4567, 0.2289

Previews

White Background



This preview shows how the Yxy color 76.4099, 0.2898, 0.3738 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 76.4099, 0.2898, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

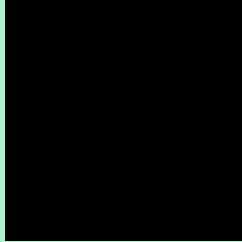
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4099, 0.2898, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 76.4099, 0.2898, 0.3738.

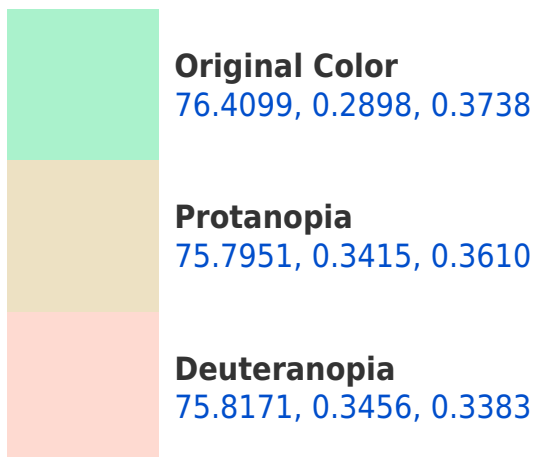


This preview shows how white text looks on a background with the Yxy color 76.4099, 0.2898, 0.3738.

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

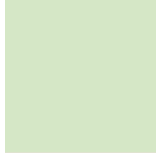
76.2757, 0.2682, 0.3080

Trichromacy



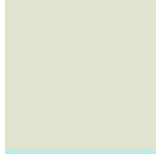
Original Color

76.4099, 0.2898, 0.3738



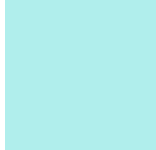
Protanomaly

75.3752, 0.3213, 0.3658



Deuteranomaly

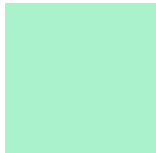
75.1311, 0.3229, 0.3508



Tritanomaly

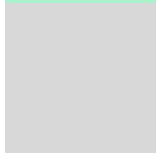
76.4353, 0.2756, 0.3312

Monochromacy



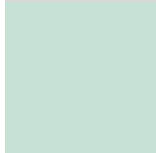
Original Color

76.4099, 0.2898, 0.3738



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

70.7460, 0.3031, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4099, 0.2898, 0.3738 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(170, 242, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 204)  
}
```

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(170, 242, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 204) }
```

Border

The CSS property to change the border of an element to Yxy 76.4099, 0.2898, 0.3738 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(170, 242, 204) }
```

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

```
.border{ border-color:rgb(170, 242, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 242, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4099, 0.2898, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 204) }
```

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

```
.background{ background-color: rgb(170,  
242, 204) }
```

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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