

Converting Colors

$Yxy(77.8882, 0.2856, 0.3691)$

Have a look what the booklet for
Yxy(77.8882, 0.2856, 0.3691)
contains.

Yxy(77.6793, 0.2855, 0.3688)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.6793, 0.2855, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	A8F4D2
RGB	168, 244, 210
RGB Percent	66%, 96%, 82%
CMY	0.3412, 0.0431, 0.1764
CMYK	0.31, 0.00, 0.14, 0.04
HSL	153°, 78%, 81%
HSV	153°, 31%, 96%
XYZ	60.1341, 77.6793, 72.8138
YIQ	217.4000, -34.3820, -26.6860

Conversions

Conversions Part 2

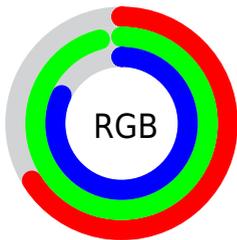
Format	Color
RYB	168, 217, 244
Decimal	11072722
CIELab	90.63, -30.39, 8.95
CIELCh	91, 31.681, 163.583
Yxy	77.6793, 0.2855, 0.3688
Android (android.graphics.Color)	4289262802 (0xFFA8F4D2)
YUV	217.4000, -3.6482, -43.3238
Hunter-Lab	88.1359, -32.4493, 12.7124

Details

The Yxy color **77.6793, 0.2855, 0.3688** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.5017, 0.3521, 0.2926**, and the grayscale version is **69.7226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **41.4517, 0.2783, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **74.7256, 0.2782, 0.3842**, and if you desaturate by 10%, it is **81.1789, 0.2937, 0.3546**.

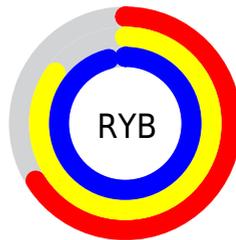
Distribution



Red (66%)

Green (96%)

Blue (82%)



Red (66%)

Yellow (85%)

Blue (96%)

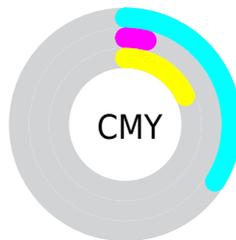


Cyan (31%)

Magenta (0%)

Yellow (14%)

Black (4%)



Cyan (34%)

Magenta (4%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6793, 0.2855, 0.3688 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 77.6793, 0.2855, 0.3688 by changing the saturation by 10% instead.

 77.6793, 0.2855,
0.3688

 77.6793, 0.2855,
0.3688

487.0770, 0.2982,
0.3501

 57.8106, 0.2826,
0.3732

 130.0979, 0.2899,
0.3622

 41.6564, 0.2789,
0.3786

 163.4166, 0.2916,
0.3597

 28.8323, 0.2743,
0.3856

201.9874, 0.2931,
0.3575

 18.9540, 0.2683,
0.3948

246.1948, 0.2944,
0.3556

 11.6371, 0.2599,
0.4075

296.4230, 0.2955,
0.3540

 6.4970, 0.2478,
0.4264

353.0565, 0.2965,

 3.1496, 0.2287,

0.3525

416.4797, 0.2974,
0.3512

0.4569

1.2103, 0.1681,
0.5396

0.0701, 0.0000,
1.0000

77.6793, 0.2855,
0.3688

77.6793, 0.2855,
0.3688

74.7256, 0.2782,
0.3842

81.1789, 0.2937,
0.3546

72.2793, 0.2721,
0.4006

85.2415, 0.3025,
0.3418

70.3118, 0.2675,
0.4178

89.8952, 0.3117,
0.3302

68.7880, 0.2648,
0.4355

93.0971, 0.3140,
0.3198

■ 67.6671, 0.2641,
0.4532

■ 93.1832, 0.3132,
0.3185

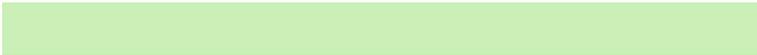
■ 66.9007, 0.2655,
0.4705

■ 66.4505, 0.2681,
0.4852

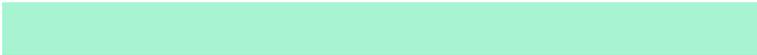
Harmonies

Analogous

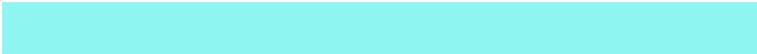
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6793, 0.3219, 0.3920



77.6793, 0.2855, 0.3688



77.6793, 0.2575, 0.3335

Triad

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



77.6793, 0.2855, 0.3688



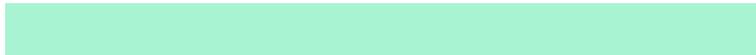
77.6793, 0.2674, 0.2681



77.6793, 0.3867, 0.3515

Complementary

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



77.6793, 0.2855, 0.3688



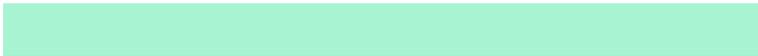
51.5017, 0.3521, 0.2926

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.



77.6793, 0.3705, 0.3209



77.6793, 0.2855, 0.3688



77.6793, 0.3000, 0.2746

Square

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



77.6793, 0.2855, 0.3688



77.6793, 0.2476, 0.2763



77.6793, 0.3380, 0.2935



77.6793, 0.3814, 0.3787

Rectangle

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



77.6793, 0.2855, 0.3688



77.6793, 0.2467, 0.3099



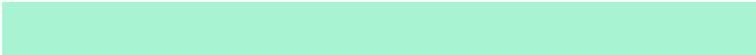
77.6793, 0.3380, 0.2935



77.6793, 0.3835, 0.3413

Sweetspot

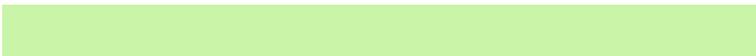
The Sweet Spot groups the original color and five complimentary colors.



77.6825, 0.2855, 0.3688



95.2609, 0.3045, 0.3392



80.1150, 0.3306, 0.4149



20.2367, 0.3031, 0.3410



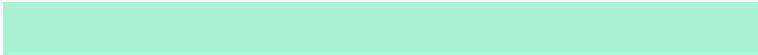
0.0000, 0.0000, 0.0000



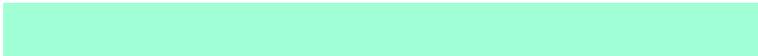
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6825, 0.2855, 0.3688



83.8559, 0.2810, 0.3778



77.2963, 0.2675, 0.3246



18.6254, 0.3040, 0.3398



36.1591, 0.2674, 0.4825



3.1987, 0.2615, 0.4615

Inverse Universe

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



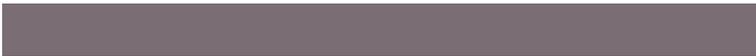
51.5017, 0.3521, 0.2926



50.9311, 0.3625, 0.2854



51.4895, 0.3826, 0.3334



16.6057, 0.3223, 0.3185



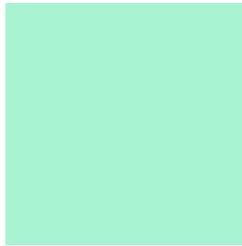
11.0857, 0.5184, 0.2630



0.9947, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 77.6793, 0.2855, 0.3688 looks on a white background.

Color Contrast Check

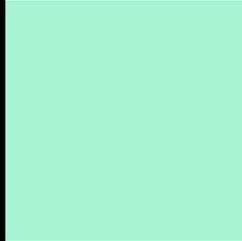
Large Text (above 18pt) WCAG AA × Fail

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 77.6793, 0.2855, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

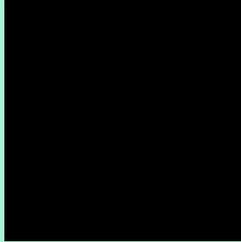
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6793, 0.2855, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 77.6793, 0.2855, 0.3688.

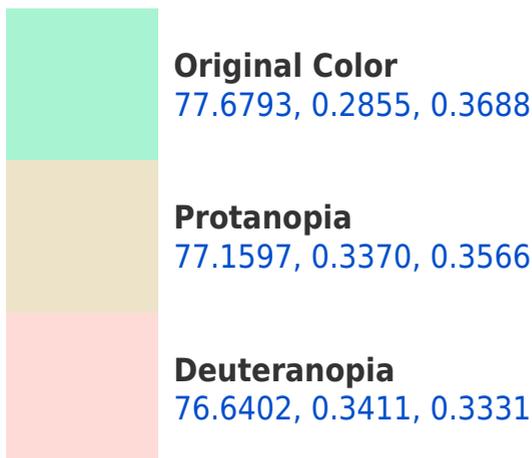


This preview shows how white text looks on a background with the Yxy color 77.6793, 0.2855, 0.3688.

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

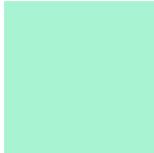




Tritanopia

77.6121, 0.2684, 0.3092

Trichromacy



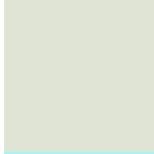
Original Color

77.6793, 0.2855, 0.3688



Protanomaly

76.6345, 0.3166, 0.3611



Deuteranomaly

75.9789, 0.3189, 0.3452



Tritanomaly

77.7823, 0.2743, 0.3300

Monochromacy



Original Color

77.6793, 0.2855, 0.3688



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.9353, 0.3018, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6793, 0.2855, 0.3688 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(168, 244, 210)` looks like.

```
.text, #text, p{  
    color:rgb(168, 244, 210)  
}
```

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(168, 244, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 244, 210) }
```

Border

The CSS property to change the border of an element to Yxy 77.6793, 0.2855, 0.3688 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(168, 244, 210) }
```

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

```
.border{ border-color:rgb(168, 244, 210) }
```

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

Here you see how a box with a 4 pixel rgb(168, 244, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 244, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 244, 210);  
box-shadow:4px 4px 4px 4px rgb(168, 244,  
210) }
```

Background

The CSS property to change the background color of an element to Yxy 77.6793, 0.2855, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 244, 210) }
```

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

```
.background{ background-color: rgb(168,  
244, 210) }
```

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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