

Converting Colors

Yxy(77.6558, 0.2997, 0.4170)

Have a look what the booklet for
Yxy(77.6558, 0.2997, 0.4170)
contains.

Yxy(77.7035, 0.2998, 0.4175)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.7035, 0.2998, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	A0F8AF
RGB	160, 248, 175
RGB Percent	63%, 97%, 69%
CMY	0.3727, 0.0274, 0.3137
CMYK	0.35, 0.00, 0.29, 0.03
HSL	130°, 86%, 80%
HSV	130°, 35%, 97%
XYZ	55.7976, 77.7035, 52.6150
YIQ	213.3660, -29.0150, -41.3590

Conversions

Conversions Part 2

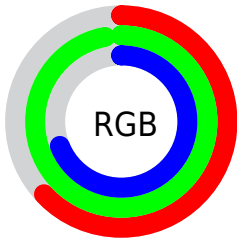
Format	Color
R _Y B	160, 235, 248
Decimal	10549423
CIE Lab	90.64, -41.01, 26.93
CIE LCh	91, 49.062, 146.715
Yxy	77.7035, 0.2998, 0.4175
Android (android.graphics.Color)	4288739503 (0xFFA0F8AF)
YUV	213.3660, -18.9144, -46.8020
Hunter-Lab	88.1496, -41.2734, 26.3155

Details

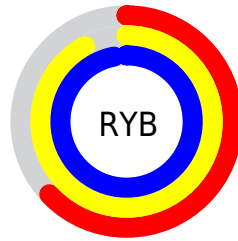
The Yxy color **77.7035, 0.2998, 0.4175** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.9710, 0.3293, 0.2544**, and the grayscale version is **66.9383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0412, 0.3030, 0.3539**, and **41.6700, 0.2956, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **74.6536, 0.2967, 0.4479**, and if you desaturate by 10%, it is **81.3927, 0.3033, 0.3891**.

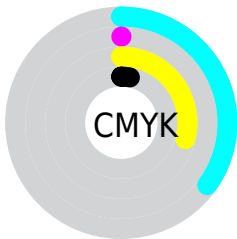
Distribution



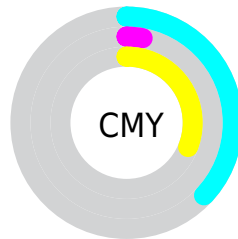
- Red (63%)
- Green (97%)
- Blue (69%)



- Red (63%)
- Yellow (92%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (3%)





- Cyan (37%)
- Magenta (3%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7035, 0.2998, 0.4175 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 77.7035, 0.2998, 0.4175 by changing the saturation by 10% instead.


 77.7035, 0.2998,
0.4175

 77.7035, 0.2998,
0.4175


487.1593, 0.3069,
0.3747

 57.8304, 0.2979,
0.4277


 130.1321, 0.3025,
0.4023

 41.6724, 0.2953,
0.4405


 163.4564, 0.3035,
0.3965

 28.8448, 0.2918,
0.4570

202.0332, 0.3043,
0.3916

 18.9635, 0.2868,
0.4790

246.2470, 0.3050,
0.3873

 11.6439, 0.2791,
0.5099

296.4821, 0.3056,
0.3835

 6.5017, 0.2663,
0.5556


353.1229, 0.3061,


 3.1525, 0.2444,


0.3803


0.6337

416.5538, 0.3065,
0.3773

 1.2118, 0.0893,
0.9107


 0.0713, 0.0000,
1.0000

 77.7035, 0.2998,
0.4175


 77.7035, 0.2998,
0.4175


 74.6536, 0.2967,
0.4479


 81.3927, 0.3033,
0.3891


 72.1973, 0.2943,
0.4793

 85.7447, 0.3070,
0.3634

 70.2981, 0.2929,
0.5101

 90.7935, 0.3107,
0.3404

 68.9115, 0.2926,
0.5385

 95.6211, 0.3130,
0.3223

■ 67.9857, 0.2935,
0.5625

■ 67.4578, 0.2954,
0.5806

■ 67.3108, 0.2963,
0.5867

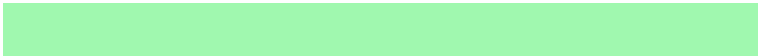
Harmonies

Analogous

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



77.7035, 0.3564, 0.4346



77.7035, 0.2998, 0.4175



77.7035, 0.2494, 0.3680

Triad

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



77.7035, 0.2998, 0.4175



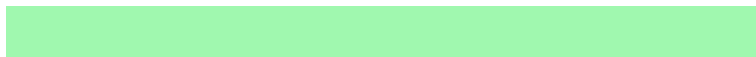
77.7035, 0.2252, 0.2413



77.7035, 0.4176, 0.3343

Complementary

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



77.7035, 0.2998, 0.4175



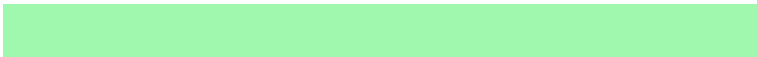
50.9710, 0.3293, 0.2544

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.



77.7035, 0.3757, 0.2918



77.7035, 0.2998, 0.4175



77.7035, 0.2629, 0.2403

Square

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



77.7035, 0.2998, 0.4175



77.7035, 0.2095, 0.2642



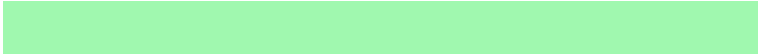
77.7035, 0.3175, 0.2585



77.7035, 0.4274, 0.3791

Rectangle

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



77.7035, 0.2998, 0.4175



77.7035, 0.2257, 0.3282



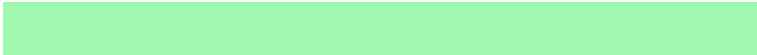
77.7035, 0.3175, 0.2585



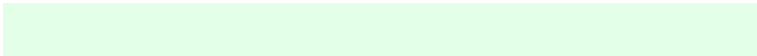
77.7035, 0.4067, 0.3195

Sweetspot

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



77.7068, 0.2998, 0.4175



93.6542, 0.3087, 0.3527



87.0585, 0.3559, 0.4209



19.8922, 0.3081, 0.3559



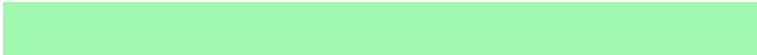
0.0000, 0.0000, 0.0000



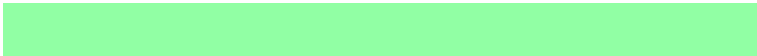
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7068, 0.2998, 0.4175



80.2546, 0.2974, 0.4404



79.7082, 0.2770, 0.3632



19.3576, 0.3092, 0.3493



36.3718, 0.2958, 0.5847



3.3818, 0.2904, 0.5655

Inverse Universe

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



50.9710, 0.3293, 0.2544



47.6901, 0.3337, 0.2390



48.7770, 0.3693, 0.2977



17.4707, 0.3164, 0.3096



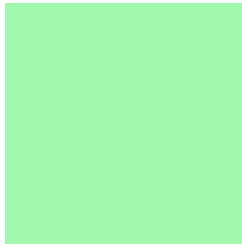
13.1970, 0.3695, 0.1809



1.2353, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 77.7035, 0.2998, 0.4175 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 77.7035, 0.2998, 0.4175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

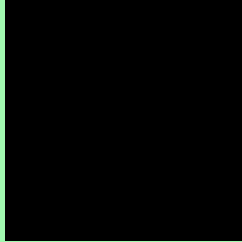
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7035, 0.2998, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 77.7035, 0.2998, 0.4175.

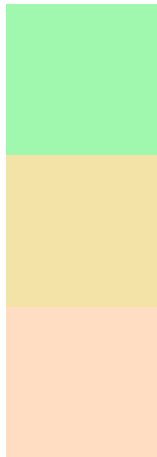


This preview shows how white text looks on a background with the Yxy color 77.7035, 0.2998, 0.4175.

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

77.7035, 0.2998, 0.4175

Protanopia

76.9244, 0.3661, 0.3930

Deuteranopia

76.9130, 0.3558, 0.3556



Tritanopia

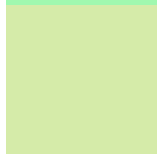
77.4917, 0.2679, 0.3091

Trichromacy



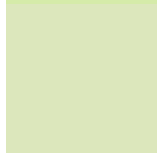
Original Color

77.7035, 0.2998, 0.4175



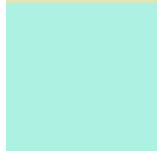
Protanomaly

76.4274, 0.3391, 0.4030



Deuteranomaly

75.9983, 0.3327, 0.3765



Tritanomaly

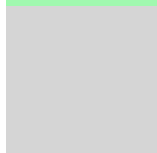
77.2858, 0.2795, 0.3461

Monochromacy



Original Color

77.7035, 0.2998, 0.4175



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.9856, 0.3078, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7035, 0.2998, 0.4175 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(160, 248, 175)` looks like.

```
.text, #text, p{  
    color:rgb(160, 248, 175)  
}
```

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(160, 248, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 248, 175) }
```

Border

The CSS property to change the border of an element to Yxy 77.7035, 0.2998, 0.4175 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(160, 248, 175) }
```

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

```
.border{ border-color:rgb(160, 248, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 248, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 248, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 248, 175);  
box-shadow:4px 4px 4px 4px rgb(160, 248,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7035, 0.2998, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 248, 175) }
```

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

```
.background{ background-color: rgb(160,  
248, 175) }
```

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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