

Converting Colors

$Yxy(77.7002, 0.3021, 0.4238)$

Have a look what the booklet for
Yxy(77.7002, 0.3021, 0.4238)
contains.

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Color

Yxy(77.5107, 0.3025, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	A0F8AA
RGB	160, 248, 170
RGB Percent	63%, 97%, 67%
CMY	0.3723, 0.0275, 0.3335
CMYK	0.35, 0.00, 0.31, 0.03
HSL	127°, 86%, 80%
HSV	127°, 35%, 97%
XYZ	55.3256, 77.5107, 50.0582
YIQ	212.7960, -27.4100, -42.9140

Conversions

Conversions Part 2

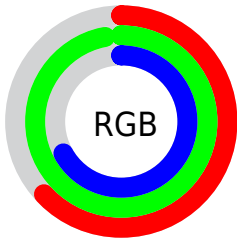
Format	Color
RYB	160, 239, 248
Decimal	10549418
CIELab	90.56, -41.82, 29.36
CIElCh	91, 51.093, 144.929
Yxy	77.5107, 0.3025, 0.4238
Android (android.graphics.Color)	4288739498 (0xFFA0F8AA)
YUV	212.7960, -21.0984, -46.3021
Hunter-Lab	88.0402, -41.8985, 27.9168

Details

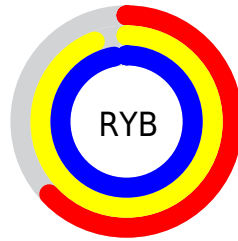
The Yxy color **77.5107, 0.3025, 0.4238** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.2946, 0.3250, 0.2498**, and the grayscale version is **66.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7627, 0.3058, 0.3593**, and **41.5492, 0.2988, 0.4487** is the 20% darker color. If you saturate the color by 10%, you get **74.4427, 0.2999, 0.4562**, and if you desaturate by 10%, it is **81.2344, 0.3053, 0.3934**.

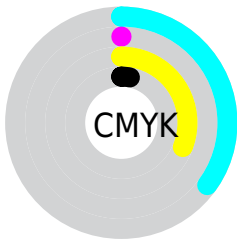
Distribution



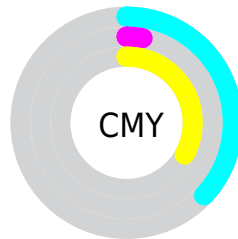
- Red (63%)
- Green (97%)
- Blue (67%)



- Red (63%)
- Yellow (94%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (31%)
- Black (3%)





- Cyan (37%)
- Magenta (3%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5107, 0.3025, 0.4238 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 77.5107, 0.3025, 0.4238 by changing the saturation by 10% instead.


 77.5107, 0.3025,
0.4238


 77.5107, 0.3025,
0.4238

486.5035, 0.3086,
0.3779

 57.6721, 0.3008,
0.4347


 129.8601, 0.3049,
0.4075

 41.5451, 0.2984,
0.4485


 163.1398, 0.3057,
0.4013

 28.7453, 0.2951,
0.4662

201.6686, 0.3064,
0.3959

 18.8882, 0.2903,
0.4899

245.8309, 0.3070,
0.3913

 11.5895, 0.2826,
0.5230

296.0112, 0.3075,
0.3873

 6.4648, 0.2695,
0.5716


352.5938, 0.3079,


 3.1297, 0.2491,


0.3838


0.6611


415.9631, 0.3083,
0.3807


 1.1998, 0.0697,
0.9303


 0.0616, 0.0000,
1.0000


 77.5107, 0.3025,
0.4238


 77.5107, 0.3025,
0.4238


 74.4427, 0.2999,
0.4562

 81.2344, 0.3053,
0.3934


 71.9833, 0.2979,
0.4893

 85.6384, 0.3083,
0.3657

 70.0944, 0.2965,
0.5212

 90.7580, 0.3112,
0.3411

 68.7297, 0.2960,
0.5497

 95.6137, 0.3130,
0.3223

■ 67.8354, 0.2964,
0.5727

■ 67.3462, 0.2976,
0.5885

■ 67.2173, 0.2982,
0.5934

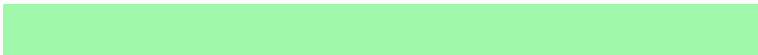
Harmonies

Analogous

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



77.5107, 0.3612, 0.4389



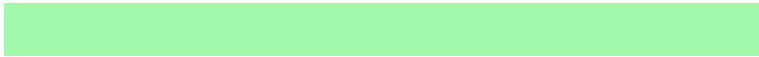
77.5107, 0.3025, 0.4238



77.5107, 0.2495, 0.3733

Triad

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



77.5107, 0.3025, 0.4238



77.5107, 0.2202, 0.2387



77.5107, 0.4203, 0.3314

Complementary

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



77.5107, 0.3025, 0.4238



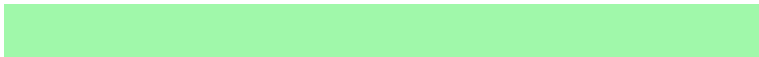
51.2946, 0.3250, 0.2498

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.



77.5107, 0.3750, 0.2879



77.5107, 0.3025, 0.4238



77.5107, 0.2579, 0.2365

Square

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



77.5107, 0.3025, 0.4238



77.5107, 0.2055, 0.2636



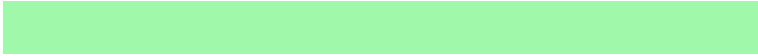
77.5107, 0.3139, 0.2543



77.5107, 0.4325, 0.3779

Rectangle

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



77.5107, 0.3025, 0.4238



77.5107, 0.2241, 0.3316



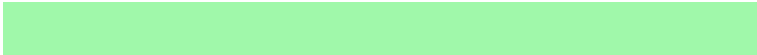
77.5107, 0.3139, 0.2543



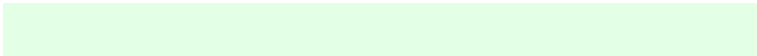
77.5107, 0.4083, 0.3162

Sweetspot

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



77.5140, 0.3025, 0.4238



93.5622, 0.3096, 0.3544



88.0599, 0.3600, 0.4195



19.8705, 0.3092, 0.3578



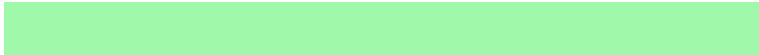
0.0000, 0.0000, 0.0000



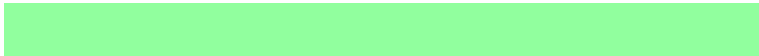
21.4041, 0.3127, 0.3290

Same Dimension

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



77.5140, 0.3025, 0.4238



80.0303, 0.3005, 0.4483



79.4079, 0.2801, 0.3703



19.3410, 0.3100, 0.3507



36.3214, 0.2978, 0.5919



3.3740, 0.2935, 0.5767

Inverse Universe

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



51.2946, 0.3250, 0.2498



48.0672, 0.3281, 0.2335



49.0672, 0.3636, 0.2916



17.4889, 0.3155, 0.3082



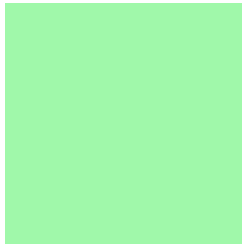
13.5864, 0.3516, 0.1710



1.2676, 0.3474, 0.1688

Previews

White Background



This preview shows how the Yxy color 77.5107, 0.3025, 0.4238 looks on a white background.

Color Contrast Check

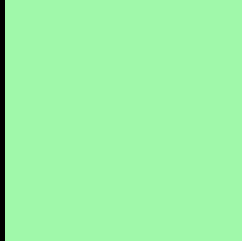
Large Text (above 18pt) WCAG AA × Fail

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 77.5107, 0.3025, 0.4238 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 77.5107, 0.3025, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 77.5107, 0.3025, 0.4238.

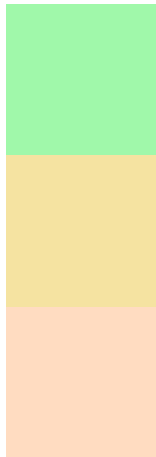


This preview shows how white text looks on a background with the Yxy color 77.5107, 0.3025, 0.4238.

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

77.5107, 0.3025, 0.4238

Protanopia

76.9239, 0.3702, 0.3980

Deuteranopia

76.2967, 0.3574, 0.3567



Tritanopia

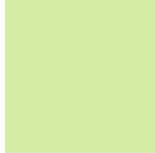
77.3721, 0.2674, 0.3091

Trichromacy



Original Color

77.5107, 0.3025, 0.4238



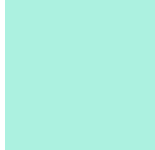
Protanomaly

76.3931, 0.3430, 0.4085



Deuteranomaly

75.3121, 0.3348, 0.3788



Tritanomaly

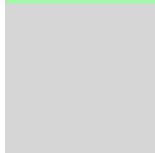
77.0631, 0.2800, 0.3485

Monochromacy



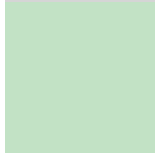
Original Color

77.5107, 0.3025, 0.4238



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.8933, 0.3091, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5107, 0.3025, 0.4238 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(160, 248, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 248, 170) }
```

Border

The CSS property to change the border of an element to Yxy 77.5107, 0.3025, 0.4238 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, 170) }
```

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

```
.border{ border-color:rgb(160, 248, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 248, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 248, 170);  
box-shadow:4px 4px 4px 4px rgb(160, 248,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5107, 0.3025, 0.4238 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, 170) }
```

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

```
.background{ background-color: rgb(160,  
248, 170) }
```

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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