

Converting Colors

$Y_{xy}(74.8780, 0.3051, 0.4176)$

Have a look what the booklet for
Yxy(74.8780, 0.3051, 0.4176)
contains.

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Color

Yxy(75.0028, 0.3055, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	A5F3AA
RGB	165, 243, 170
RGB Percent	65%, 95%, 67%
CMY	0.3531, 0.0470, 0.3334
CMYK	0.32, 0.00, 0.30, 0.05
HSL	124°, 77%, 80%
HSV	124°, 32%, 95%
XYZ	54.8166, 75.0028, 49.6131
YIQ	211.3560, -23.0550, -39.2390

Conversions

Conversions Part 2

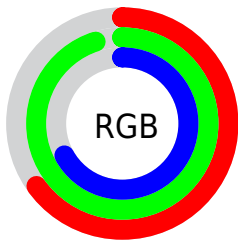
Format	Color
RYB	165, 238, 243
Decimal	10875818
CIELab	89.39, -38.09, 27.81
CIELCh	89, 47.166, 143.865
Yxy	75.0028, 0.3055, 0.4180
Android (android.graphics.Color)	4289065898 (0xFFA5F3AA)
YUV	211.3560, -20.3885, -40.6542
Hunter-Lab	86.6042, -38.5746, 26.6573

Details

The Yxy color **75.0028, 0.3055, 0.4180** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.1258, 0.3205, 0.2537**, and the grayscale version is **65.5340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5406, 0.3088, 0.3590**, and **39.7172, 0.3023, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **71.8564, 0.3033, 0.4515**, and if you desaturate by 10%, it is **78.7993, 0.3078, 0.3868**.

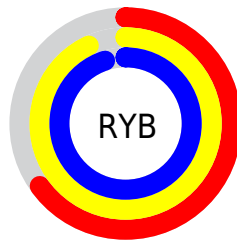
Distribution



Red (65%)

Green (95%)

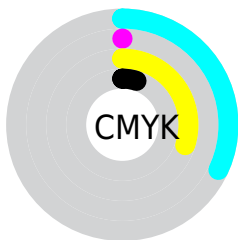
Blue (67%)



Red (65%)

Yellow (93%)

Blue (95%)

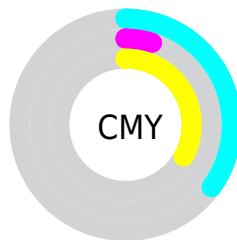


Cyan (32%)

Magenta (0%)

Yellow (30%)

Black (5%)



Cyan (35%)


Magenta (5%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0028, 0.3055, 0.4180 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 75.0028, 0.3055, 0.4180 by changing the saturation by 10% instead.

 75.0028, 0.3055,
0.4180


 75.0028, 0.3055,
0.4180

477.9272, 0.3101,
0.3748

 55.6152, 0.3041,
0.4283


 126.3163, 0.3073,
0.4026

 39.8945, 0.3023,
0.4413


 159.0110, 0.3080,
0.3968

 27.4563, 0.2996,
0.4582


196.9102, 0.3085,
0.3918

 17.9162, 0.2956,
0.4807

240.3983, 0.3089,
0.3874

 10.8898, 0.2891,
0.5123

289.8596, 0.3093,
0.3837

 5.9928, 0.2776,
0.5593


345.6786, 0.3096,


 2.8407, 0.2607,

0.3804

0.6494


408.2397, 0.3098,
0.3774


 1.0491, 0.0529,
0.9471


 0.0000, 0.0000,
0.0000


 75.0028, 0.3055,
0.4180


 75.0028, 0.3055,
0.4180


 71.8564, 0.3033,
0.4515


 78.7993, 0.3078,
0.3868

 69.3149, 0.3013,
0.4859

 83.2696, 0.3101,
0.3587

 67.3421, 0.2997,
0.5193

 88.4474, 0.3123,
0.3338

 65.8941, 0.2987,
0.5493

 92.5886, 0.3133,
0.3175

■ 64.9208, 0.2984,
0.5733

■ 64.3617, 0.2987,
0.5896

■ 64.1450, 0.2992,
0.5970

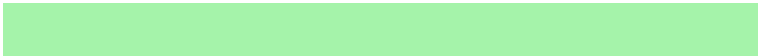
Harmonies

Analogous

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



75.0028, 0.3604, 0.4313



75.0028, 0.3055, 0.4180



75.0028, 0.2552, 0.3723

Triad

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



75.0028, 0.3055, 0.4180



75.0028, 0.2249, 0.2447



75.0028, 0.4120, 0.3302

Complementary

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



75.0028, 0.3055, 0.4180



52.1258, 0.3205, 0.2537

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.



75.0028, 0.3690, 0.2892



75.0028, 0.3055, 0.4180



75.0028, 0.2599, 0.2417

Square

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



75.0028, 0.3055, 0.4180



75.0028, 0.2118, 0.2693



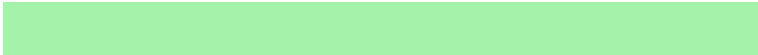
75.0028, 0.3119, 0.2578



75.0028, 0.4249, 0.3740

Rectangle

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



75.0028, 0.3055, 0.4180



75.0028, 0.2307, 0.3338



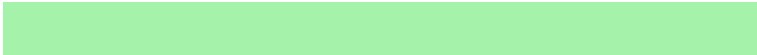
75.0028, 0.3119, 0.2578



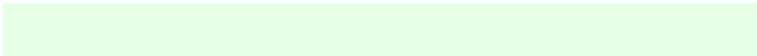
75.0028, 0.4005, 0.3159

Sweetspot

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



75.0060, 0.3055, 0.4180



94.0380, 0.3106, 0.3532



85.1938, 0.3585, 0.4100



19.9625, 0.3103, 0.3569



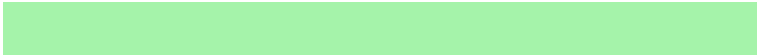
0.0000, 0.0000, 0.0000



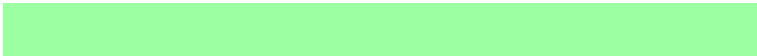
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0060, 0.3055, 0.4180



81.1503, 0.3039, 0.4412



76.6526, 0.2849, 0.3705



18.4893, 0.3107, 0.3519



35.2076, 0.2989, 0.5960



3.1004, 0.2961, 0.5859

Inverse Universe

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



52.1258, 0.3205, 0.2537



51.7003, 0.3224, 0.2379



50.1278, 0.3535, 0.2912



16.7488, 0.3148, 0.3072



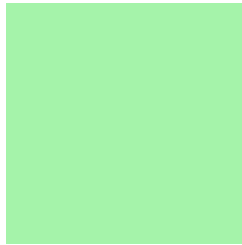
13.5199, 0.3378, 0.1634



1.1937, 0.3354, 0.1622

Previews

White Background



This preview shows how the Yxy color 75.0028, 0.3055, 0.4180 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 75.0028, 0.3055, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

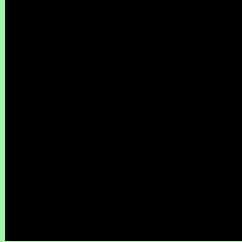
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0028, 0.3055, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 75.0028, 0.3055, 0.4180.

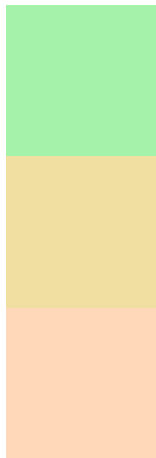


This preview shows how white text looks on a background with the Yxy color 75.0028, 0.3055, 0.4180.

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

75.0028, 0.3055, 0.4180

Protanopia

74.0493, 0.3685, 0.3949

Deuteranopia

73.9169, 0.3635, 0.3599



Tritanopia

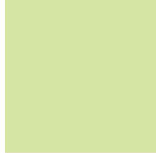
74.9462, 0.2695, 0.3089

Trichromacy



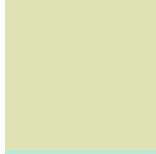
Original Color

75.0028, 0.3055, 0.4180



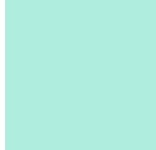
Protanomaly

73.4201, 0.3433, 0.4037



Deuteranomaly

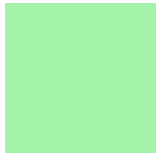
73.2176, 0.3403, 0.3801



Tritanomaly

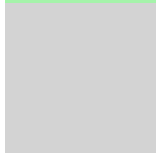
74.9563, 0.2825, 0.3463

Monochromacy



Original Color

75.0028, 0.3055, 0.4180



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.2302, 0.3098, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0028, 0.3055, 0.4180 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(165, 243, 170)` looks like.

```
.text, #text, p{  
    color:rgb(165, 243, 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(165, 243, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 243, 170) }
```

Border

The CSS property to change the border of an element to Yxy 75.0028, 0.3055, 0.4180 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(165, 243, 170) }
```

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

```
.border{ border-color:rgb(165, 243, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 243, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 243, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 243, 170); box-shadow:4px 4px 4px 4px rgb(165, 243, 170) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 75.0028, 0.3055, 0.4180$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 243, 170) }
```

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

```
.background{ background-color: rgb(165,  
243, 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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