

Converting Colors

$Yxy(89.3450, 0.3075, 0.3764)$

Have a look what the booklet for
Yxy(89.3450, 0.3075, 0.3764)
contains.

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Color

Yxy(89.3450, 0.3075, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFD3
RGB	206, 255, 211
RGB Percent	81%, 100%, 83%
CMY	0.1918, 0.0001, 0.1725
CMYK	0.19, 0.00, 0.17, 0.00
HSL	126°, 100%, 90%
HSV	126°, 19%, 100%
XYZ	72.9904, 89.3450, 75.0318
YIQ	235.3330, -15.0800, -24.0720

Conversions

Conversions Part 2

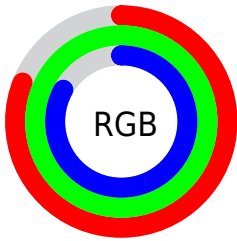
Format	Color
R _Y B	206, 250, 255
Decimal	13565907
CIE Lab	95.72, -23.70, 15.97
CIE LCh	96, 28.578, 146.017
Yxy	89.3450, 0.3075, 0.3764
Android (android.graphics.Color)	4291755987 (0xFFCEFFD3)
YUV	235.3330, -11.9962, -25.7250
Hunter-Lab	94.5225, -27.5764, 19.1015

Details

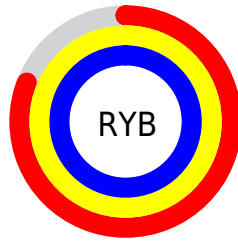
The Yxy color **89.3450, 0.3075, 0.3764** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.3489, 0.3184, 0.2858**, and the grayscale version is **83.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3678, 0.3061, 0.3879** is the 20% darker color. If you saturate the color by 10%, you get **84.9191, 0.3047, 0.4056**, and if you desaturate by 10%, it is **94.5346, 0.3103, 0.3502**.

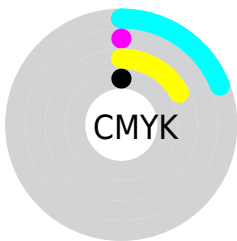
Distribution



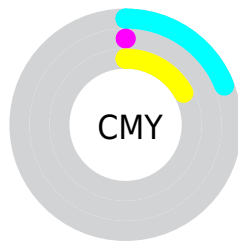
- Red (81%)
- Green (100%)
- Blue (83%)



- Red (81%)
- Yellow (98%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3450, 0.3075, 0.3764 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 89.3450, 0.3075, 0.3764 by changing the saturation by 10% instead.


 89.3450, 0.3075,
0.3764

 89.3450, 0.3075,
0.3764


525.8979, 0.3102,
0.3546

 67.4375, 0.3068,
0.3814


146.4282, 0.3085,
0.3688

 49.4403, 0.3060,
0.3875


182.3728, 0.3088,
0.3659

 34.9689, 0.3048,
0.3952


223.7651, 0.3092,
0.3634

 23.6389, 0.3033,
0.4053

270.9897, 0.3094,
0.3611

 15.0660, 0.3010,
0.4190

324.4308, 0.3097,
0.3592

 8.8657, 0.2975,
0.4385

384.4730, 0.3099,

 4.6537, 0.2914,

0.3575

0.4684

451.5005, 0.3100,
0.3559

■ 2.0455, 0.2800,
0.5215

■ 0.6337, 0.0363,
0.9637

■ 89.3450, 0.3075,
0.3764

■ 89.3450, 0.3075,
0.3764

■ 84.9191, 0.3047,
0.4056

■ 94.5346, 0.3103,
0.3502

■ 81.2102, 0.3021,
0.4373

99.9905, 0.3127,
0.3290

■ 78.1837, 0.2998,
0.4706

■ 75.7980, 0.2980,
0.5039

■ 74.0065, 0.2969,
0.5349

■ 72.7567, 0.2967,
0.5614

■ 71.9863, 0.2973,
0.5814

■ 71.6058, 0.2984,
0.5938

■ 71.5836, 0.2985,
0.5945

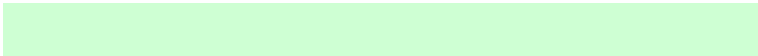
Harmonies

Analogous

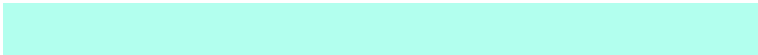
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3450, 0.3395, 0.3866



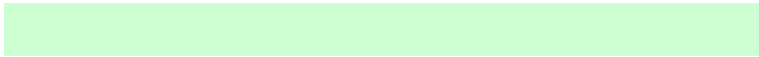
89.3450, 0.3075, 0.3764



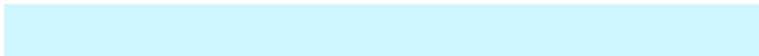
89.3450, 0.2780, 0.3512

Triad

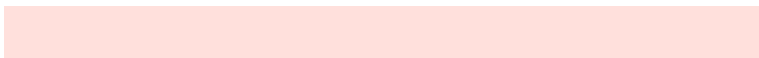
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3450, 0.3075, 0.3764



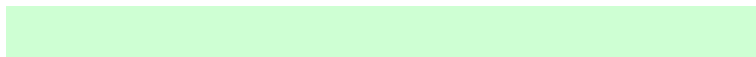
89.3450, 0.2618, 0.2789



89.3450, 0.3702, 0.3333

Complementary

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



89.3450, 0.3075, 0.3764



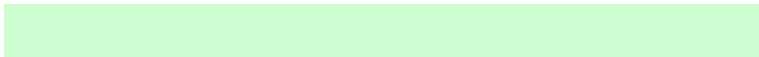
72.3489, 0.3184, 0.2858

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.



89.3450, 0.3473, 0.3075



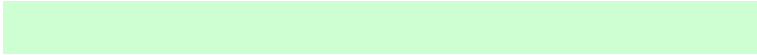
89.3450, 0.3075, 0.3764



89.3450, 0.2843, 0.2769

Square

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



89.3450, 0.3075, 0.3764



89.3450, 0.2526, 0.2940



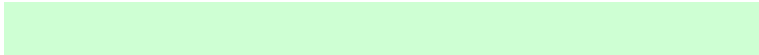
89.3450, 0.3154, 0.2873



89.3450, 0.3767, 0.3594

Rectangle

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



89.3450, 0.3075, 0.3764



89.3450, 0.2634, 0.3306



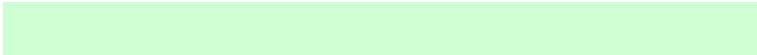
89.3450, 0.3154, 0.2873



89.3450, 0.3641, 0.3244

Sweetspot

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



89.3488, 0.3075, 0.3764



96.3580, 0.3111, 0.3426



96.3128, 0.3385, 0.3775



20.5435, 0.3109, 0.3441



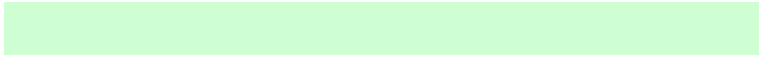
0.0000, 0.0000, 0.0000



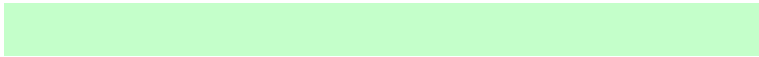
21.4041, 0.3127, 0.3290

Same Dimension

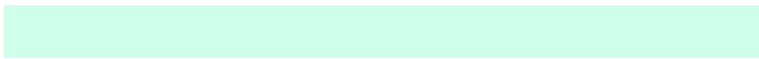
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3488, 0.3075, 0.3764



87.5790, 0.3064, 0.3872



90.6680, 0.2942, 0.3496



20.1979, 0.3102, 0.3511



37.4186, 0.2981, 0.5932



3.6527, 0.2944, 0.5799

Inverse Universe

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



72.3489, 0.3184, 0.2858



67.7436, 0.3196, 0.2770



70.9144, 0.3359, 0.3093



18.2670, 0.3154, 0.3079



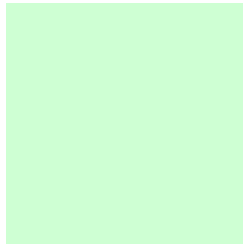
14.0874, 0.3481, 0.1691



1.3804, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 89.3450, 0.3075, 0.3764 looks on a white background.

Color Contrast Check

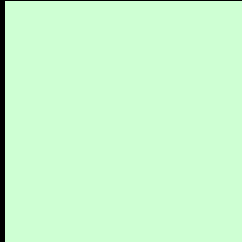
Large Text (above 18pt) WCAG AA × Fail

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 89.3450, 0.3075, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

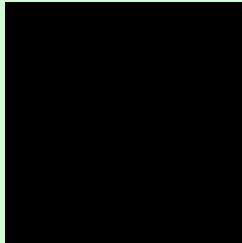
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

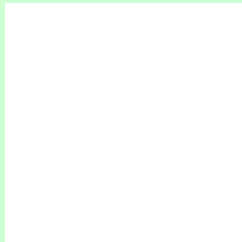
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3450, 0.3075, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 89.3450, 0.3075, 0.3764.

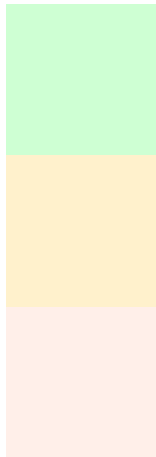


This preview shows how white text looks on a background with the Yxy color 89.3450, 0.3075, 0.3764.

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

89.3450, 0.3075, 0.3764

Protanopia

88.5302, 0.3455, 0.3659

Deuteranopia

88.8762, 0.3272, 0.3349



Tritanopia

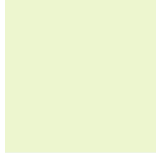
89.1828, 0.2969, 0.3189

Trichromacy



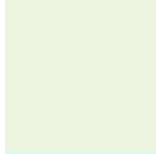
Original Color

89.3450, 0.3075, 0.3764



Protanomaly

88.4211, 0.3305, 0.3692



Deuteranomaly

88.7456, 0.3196, 0.3494



Tritanomaly

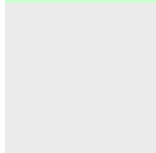
89.3555, 0.3010, 0.3393

Monochromacy



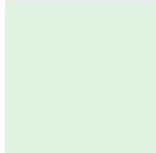
Original Color

89.3450, 0.3075, 0.3764



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8425, 0.3106, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3450, 0.3075, 0.3764 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(206, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 211)  
}
```

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(206, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 89.3450, 0.3075, 0.3764 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(206, 255, 211) }
```

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

```
.border{ border-color:rgb(206, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(206, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3450, 0.3075, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 211) }
```

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

```
.background{ background-color: rgb(206,  
255, 211) }
```

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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