

Converting Colors

$Yxy(87.0848, 0.3107, 0.3760)$

Have a look what the booklet for
Yxy(87.0848, 0.3107, 0.3760)
contains.

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Color

Yxy(86.9583, 0.3105, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	D0FBDD
RGB	208, 251, 208
RGB Percent	82%, 98%, 82%
CMY	0.1845, 0.0156, 0.1843
CMYK	0.17, 0.00, 0.17, 0.02
HSL	120°, 84%, 90%
HSV	120°, 17%, 98%
XYZ	71.8865, 86.9583, 72.6736
YIQ	233.2410, -11.8250, -22.4890

Conversions

Conversions Part 2

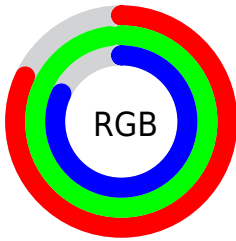
Format	Color
RYB	208, 251, 251
Decimal	13695952
CIELab	94.72, -21.69, 16.11
CIELCh	95, 27.020, 143.392
Yxy	86.9583, 0.3105, 0.3756
Android (android.graphics.Color)	4291886032 (0xFFD0FBD0)
YUV	233.2410, -12.4438, -22.1364
Hunter-Lab	93.2514, -25.5864, 19.0695

Details

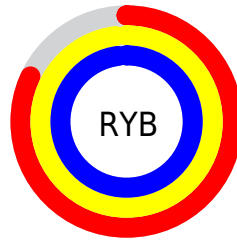
The Yxy color **86.9583, 0.3105, 0.3756** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.5668, 0.3147, 0.2864**, and the grayscale version is **81.7757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6890, 0.3093, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **82.4696, 0.3090, 0.4075**, and if you desaturate by 10%, it is **92.2253, 0.3119, 0.3472**.

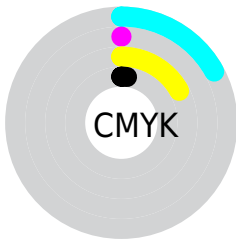
Distribution



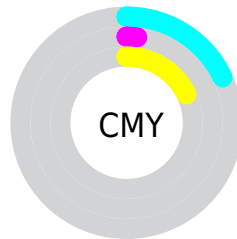
- Red (82%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (98%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (18%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9583, 0.3105, 0.3756 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 86.9583, 0.3105, 0.3756 by changing the saturation by 10% instead.

 86.9583, 0.3105,
0.3756

 86.9583, 0.3105,
0.3756

518.0858, 0.3118,
0.3540

 65.4607, 0.3101,
0.3805

143.1060, 0.3110,
0.3681

 47.8347, 0.3096,
0.3866


178.5249, 0.3112,
0.3652

 33.6960, 0.3089,
0.3943


219.3530, 0.3114,
0.3627

 22.6602, 0.3079,
0.4043

265.9748, 0.3115,
0.3605

 14.3428, 0.3064,
0.4179

318.7745, 0.3116,
0.3586

 8.3595, 0.3039,
0.4375


378.1367, 0.3117,


 4.3258, 0.2993,


0.3569


0.4678


444.4457, 0.3118,
0.3554


 1.8574, 0.2918,
0.5251


 0.5226, 0.0000,
1.0000


 86.9583, 0.3105,
0.3756

 86.9583, 0.3105,
0.3756


 82.4696, 0.3090,
0.4075

 92.2253, 0.3119,
0.3472

 78.7118, 0.3073,
0.4422

 97.4836, 0.3129,
0.3252

 75.6497, 0.3056,
0.4783

 73.2404, 0.3040,
0.5139

■ 71.4367, 0.3025,
0.5461

■ 70.1849, 0.3013,
0.5720

■ 69.4217, 0.3005,
0.5897

■ 69.0660, 0.3001,
0.5984

■ 69.0042, 0.3000,
0.6000

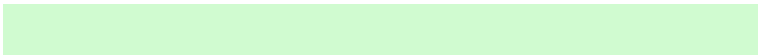
Harmonies

Analogous

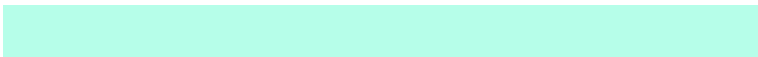
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9583, 0.3408, 0.3839



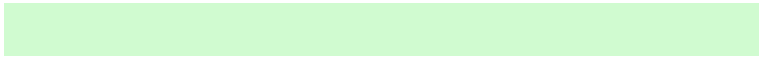
86.9583, 0.3105, 0.3756



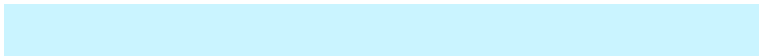
86.9583, 0.2818, 0.3527

Triad

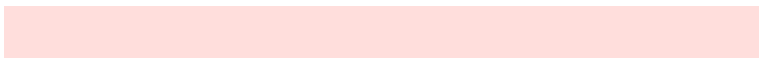
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9583, 0.3105, 0.3756



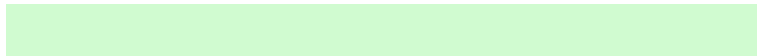
86.9583, 0.2627, 0.2819



86.9583, 0.3662, 0.3309

Complementary

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



86.9583, 0.3105, 0.3756



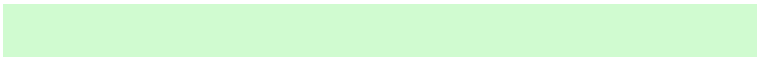
72.5668, 0.3147, 0.2864

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.



86.9583, 0.3433, 0.3065



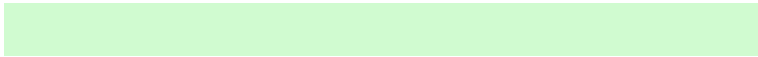
86.9583, 0.3105, 0.3756



86.9583, 0.2833, 0.2788

Square

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



86.9583, 0.3105, 0.3756



86.9583, 0.2551, 0.2975



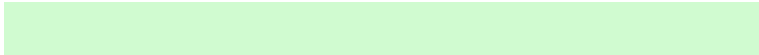
86.9583, 0.3126, 0.2878



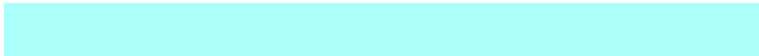
86.9583, 0.3739, 0.3561

Rectangle

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



86.9583, 0.3105, 0.3756



86.9583, 0.2672, 0.3332



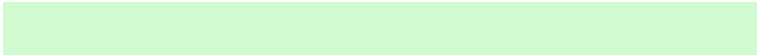
86.9583, 0.3126, 0.2878



86.9583, 0.3599, 0.3224

Sweetspot

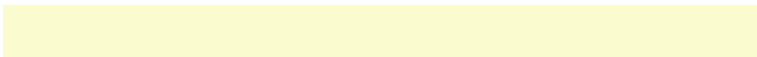
The Sweet Spot groups the original color and five complimentary colors.



86.9620, 0.3105, 0.3756



96.8682, 0.3121, 0.3415



94.0676, 0.3386, 0.3718



20.6432, 0.3120, 0.3433



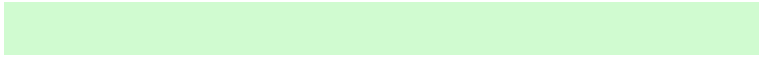
0.0000, 0.0000, 0.0000



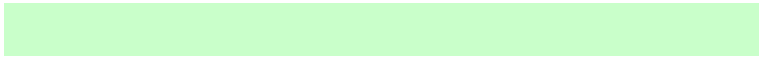
21.4041, 0.3127, 0.3290

Same Dimension

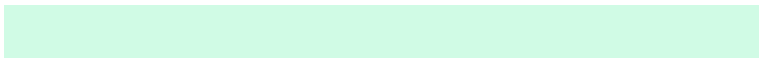
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9620, 0.3105, 0.3756



88.2410, 0.3099, 0.3875



88.0920, 0.2984, 0.3519



19.3096, 0.3115, 0.3535



36.2667, 0.3000, 0.5999



3.3590, 0.2999, 0.5998

Inverse Universe

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



72.5668, 0.3147, 0.2864



70.4596, 0.3152, 0.2767



71.2882, 0.3299, 0.3072



17.5243, 0.3138, 0.3057



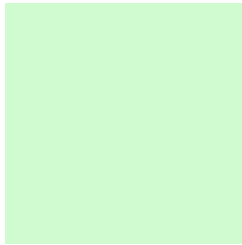
14.4325, 0.3212, 0.1543



1.3368, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 86.9583, 0.3105, 0.3756 looks on a white background.

Color Contrast Check

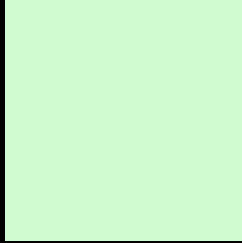
Large Text (above 18pt) WCAG AA × Fail

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 86.9583, 0.3105, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

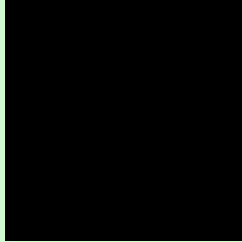
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

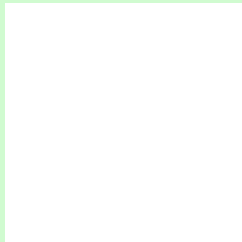
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9583, 0.3105, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 86.9583, 0.3105, 0.3756.

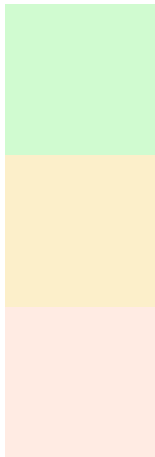


This preview shows how white text looks on a background with the Yxy color 86.9583, 0.3105, 0.3756.

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

86.9583, 0.3105, 0.3756

Protanopia

86.6927, 0.3451, 0.3663

Deuteranopia

86.2227, 0.3315, 0.3370



Tritanopia

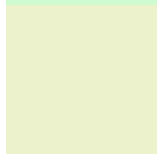
86.7318, 0.2944, 0.3158

Trichromacy



Original Color

86.9583, 0.3105, 0.3756



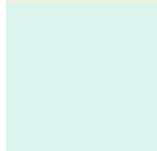
Protanomaly

86.2937, 0.3320, 0.3695



Deuteranomaly

86.2550, 0.3236, 0.3506



Tritanomaly

86.5379, 0.3004, 0.3363

Monochromacy



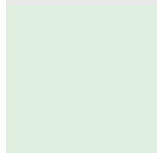
Original Color

86.9583, 0.3105, 0.3756



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.5493, 0.3119, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9583, 0.3105, 0.3756 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(208, 251, 208)` looks like.

```
.text, #text, p{  
    color:rgb(208, 251, 208)  
}
```

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(208, 251, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 251, 208) }
```

Border

The CSS property to change the border of an element to Yxy 86.9583, 0.3105, 0.3756 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(208, 251, 208) }
```

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

```
.border{ border-color:rgb(208, 251, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 251, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 251, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 251, 208);  
box-shadow:4px 4px 4px 4px rgb(208, 251,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9583, 0.3105, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 251, 208) }
```

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

```
.background{ background-color: rgb(208,  
251, 208) }
```

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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