

Converting Colors

$Yxy(87.4541, 0.3017, 0.3565)$

Have a look what the booklet for
Yxy(87.4541, 0.3017, 0.3565)
contains.

Yxy(87.3083, 0.3021, 0.3568)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.3083, 0.3021, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	D1FAE0
RGB	209, 250, 224
RGB Percent	82%, 98%, 88%
CMY	0.1806, 0.0195, 0.1216
CMYK	0.16, 0.00, 0.10, 0.02
HSL	142°, 80%, 90%
HSV	142°, 16%, 98%
XYZ	73.9233, 87.3083, 83.4665
YIQ	234.7770, -16.0900, -16.7780

Conversions

Conversions Part 2

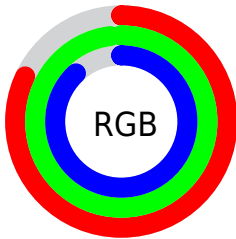
Format	Color
RYP	209, 239, 250
Decimal	13761248
CIELab	94.87, -18.07, 8.11
CIElCh	95, 19.805, 155.818
Yxy	87.3083, 0.3021, 0.3568
Android (android.graphics.Color)	4291951328 (0xFFD1FAE0)
YUV	234.7770, -5.3131, -22.6064
Hunter-Lab	93.4389, -22.2995, 12.4450

Details

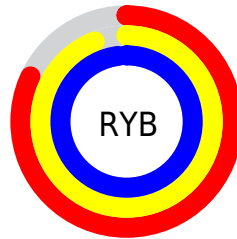
The Yxy color **87.3083, 0.3021, 0.3568** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.9036, 0.3251, 0.3027**, and the grayscale version is **82.9453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8745, 0.2994, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **83.1275, 0.2959, 0.3764**, and if you desaturate by 10%, it is **92.1488, 0.3085, 0.3392**.

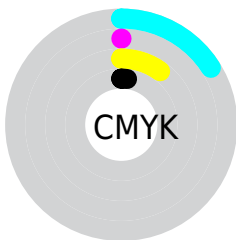
Distribution



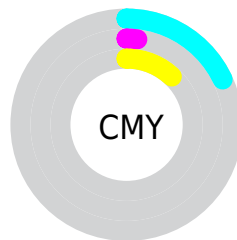
- Red (82%)
- Green (98%)
- Blue (88%)



- Red (82%)
- Yellow (94%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)




- Cyan (18%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3083, 0.3021, 0.3568 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 87.3083, 0.3021, 0.3568 by changing the saturation by 10% instead.


 87.3083, 0.3021,
0.3568

 87.3083, 0.3021,
0.3568


519.2354, 0.3070,
0.3441

 65.7504, 0.3010,
0.3597


143.5938, 0.3038,
0.3524

 48.0698, 0.2996,
0.3632


179.0901, 0.3045,
0.3507

 33.8822, 0.2979,
0.3677


220.0014, 0.3050,
0.3492

 22.8031, 0.2956,
0.3735

266.7120, 0.3055,
0.3479

 14.4482, 0.2926,
0.3813

319.6063, 0.3060,
0.3468

 8.4330, 0.2882,
0.3924

379.0687, 0.3063,

 4.3733, 0.2814,

0.3458

0.4096

445.4836, 0.3067,
0.3449

■ 1.8845, 0.2695,
0.4393

■ 0.5390, 0.1131,
0.8556

■ 87.3083, 0.3021,
0.3568

■ 87.3083, 0.3021,
0.3568

■ 83.1275, 0.2959,
0.3764

■ 92.1488, 0.3085,
0.3392

■ 79.5666, 0.2902,
0.3980


■ 96.8620, 0.3129,
0.3243

■ 76.5983, 0.2854,
0.4212


■ 74.1888, 0.2817,
0.4457

 72.3007, 0.2795,
0.4707

 70.8923, 0.2791,
0.4952

 69.9144, 0.2805,
0.5183

 69.3064, 0.2836,
0.5390

 69.1465, 0.2849,
0.5457

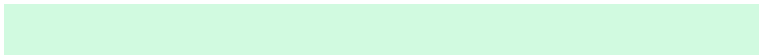
Harmonies

Analogous

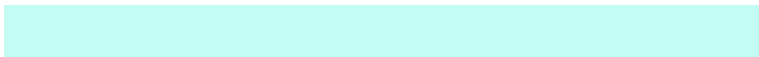
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3083, 0.3246, 0.3677



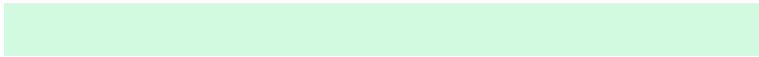
87.3083, 0.3021, 0.3568



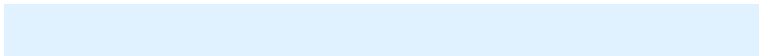
87.3083, 0.2829, 0.3377

Triad

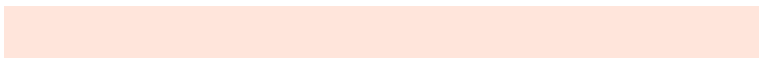
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3083, 0.3021, 0.3568



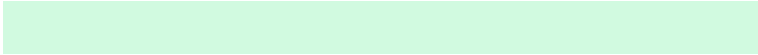
87.3083, 0.2811, 0.2921



87.3083, 0.3555, 0.3387

Complementary

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



87.3083, 0.3021, 0.3568



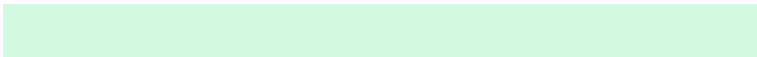
71.9036, 0.3251, 0.3027

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.



87.3083, 0.3430, 0.3197



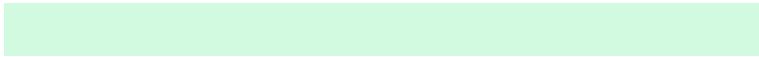
87.3083, 0.3021, 0.3568



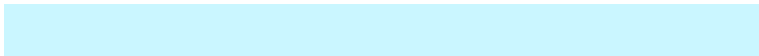
87.3083, 0.2997, 0.2934

Square

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



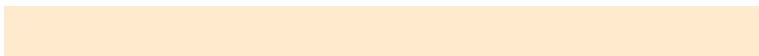
87.3083, 0.3021, 0.3568



87.3083, 0.2711, 0.3003



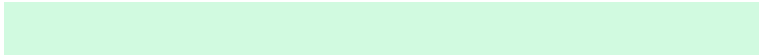
87.3083, 0.3223, 0.3034



87.3083, 0.3560, 0.3561

Rectangle

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



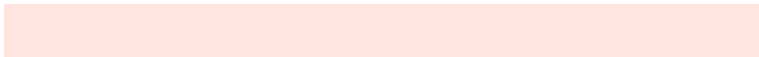
87.3083, 0.3021, 0.3568



87.3083, 0.2744, 0.3235



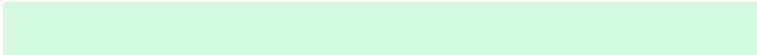
87.3083, 0.3223, 0.3034



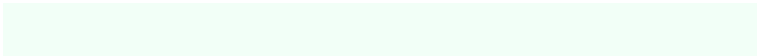
87.3083, 0.3526, 0.3324

Sweetspot

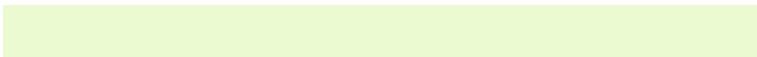
The Sweet Spot groups the original color and five complimentary colors.



87.3120, 0.3021, 0.3568



97.1518, 0.3095, 0.3369



90.7556, 0.3279, 0.3712



20.7119, 0.3090, 0.3381



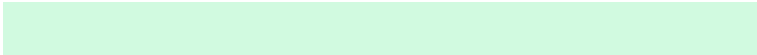
0.0000, 0.0000, 0.0000



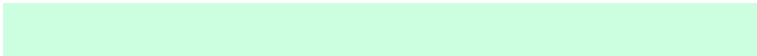
21.4041, 0.3127, 0.3290

Same Dimension

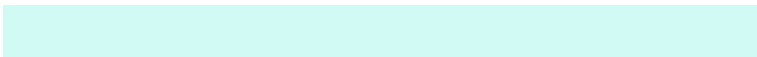
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3120, 0.3021, 0.3568



89.6673, 0.2998, 0.3636



88.4539, 0.2911, 0.3354



19.4143, 0.3065, 0.3444



36.6969, 0.2841, 0.5427



3.4184, 0.2774, 0.5187

Inverse Universe

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



71.9036, 0.3251, 0.3027



70.5211, 0.3283, 0.2967



70.8185, 0.3395, 0.3227



17.4104, 0.3194, 0.3141



12.1274, 0.4405, 0.2200



1.1436, 0.4224, 0.2100

Previews

White Background



This preview shows how the Yxy color 87.3083, 0.3021, 0.3568 looks on a white background.

Color Contrast Check

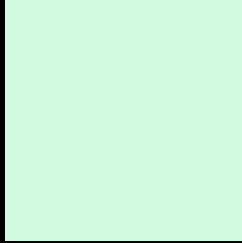
Large Text (above 18pt) WCAG AA × Fail

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 87.3083, 0.3021, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

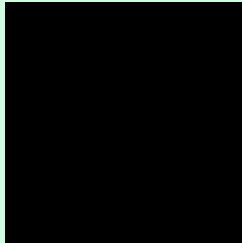
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

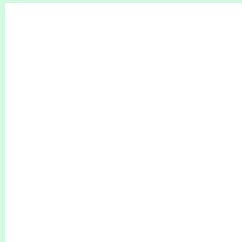
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3083, 0.3021, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 87.3083, 0.3021, 0.3568.

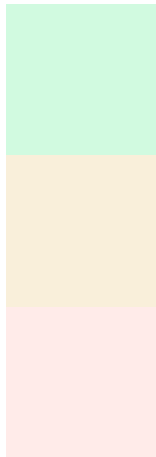


This preview shows how white text looks on a background with the Yxy color 87.3083, 0.3021, 0.3568.

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

87.3083, 0.3021, 0.3568

Protanopia

86.9347, 0.3326, 0.3501

Deuteranopia

86.5599, 0.3276, 0.3310



Tritanopia

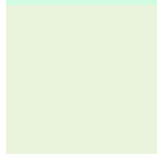
87.3287, 0.2944, 0.3168

Trichromacy



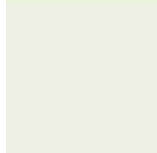
Original Color

87.3083, 0.3021, 0.3568



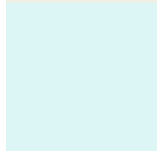
Protanomaly

86.7609, 0.3208, 0.3527



Deuteranomaly

86.2105, 0.3175, 0.3392



Tritanomaly

87.5033, 0.2970, 0.3310

Monochromacy



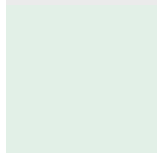
Original Color

87.3083, 0.3021, 0.3568



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.2584, 0.3090, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3083, 0.3021, 0.3568 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(209, 250, 224)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 224)  
}
```

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(209, 250, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 224) }
```

Border

The CSS property to change the border of an element to Yxy 87.3083, 0.3021, 0.3568 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(209, 250, 224) }
```

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

```
.border{ border-color:rgb(209, 250, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 224);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3083, 0.3021, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 224) }
```

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

```
.background{ background-color: rgb(209,  
250, 224) }
```

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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