

Converting Colors

$Yxy(87.0114, 0.3071, 0.3557)$

Have a look what the booklet for
Yxy(87.0114, 0.3071, 0.3557)
contains.

Yxy(87.0614, 0.3071, 0.3555)	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(87.0614, 0.3071, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	D8F8DF
RGB	216, 248, 223
RGB Percent	85%, 97%, 87%
CMY	0.1528, 0.0274, 0.1256
CMYK	0.13, 0.00, 0.10, 0.03
HSL	133°, 70%, 91%
HSV	133°, 13%, 97%
XYZ	75.2083, 87.0614, 82.6287
YIQ	235.5820, -11.0470, -14.5590

Conversions

Conversions Part 2

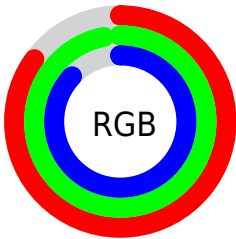
Format	Color
R _Y B	216, 242, 248
Decimal	14219487
CIE Lab	94.76, -14.97, 8.55
CIE LCh	95, 17.236, 150.272
Yxy	87.0614, 0.3071, 0.3555
Android (android.graphics.Color)	4292409567 (0xFFD8F8DF)
YUV	235.5820, -6.2029, -17.1734
Hunter-Lab	93.3067, -19.4098, 12.8098

Details

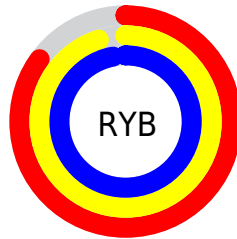
The Yxy color **87.0614, 0.3071, 0.3555** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4389, 0.3189, 0.3039**, and the grayscale version is **83.6035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1035, 0.3056, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **82.5798, 0.3028, 0.3791**, and if you desaturate by 10%, it is **92.2406, 0.3115, 0.3346**.

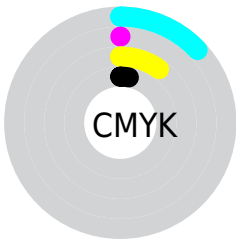
Distribution



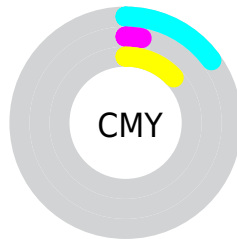
- Red (85%)
- Green (97%)
- Blue (87%)



- Red (85%)
- Yellow (95%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0614, 0.3071, 0.3555 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 87.0614, 0.3071, 0.3555 by changing the saturation by 10% instead.


 87.0614, 0.3071,
0.3555

 87.0614, 0.3071,
0.3555

518.4246, 0.3097,
0.3434

 65.5460, 0.3065,
0.3582

143.2497, 0.3080,
0.3513

 47.9040, 0.3057,
0.3616

178.6914, 0.3084,
0.3497

 33.7508, 0.3048,
0.3658


219.5441, 0.3087,
0.3483

 22.7023, 0.3035,
0.3713

266.1920, 0.3089,
0.3471

 14.3738, 0.3017,
0.3788

319.0196, 0.3092,
0.3460

 8.3811, 0.2992,
0.3893

378.4113, 0.3094,

 4.3398, 0.2951,

0.3450

0.4056

444.7515, 0.3096,
0.3442

■ 1.8654, 0.2877,
0.4336

■ 0.5274, 0.2049,
0.7951

■ 87.0614, 0.3071,
0.3555

■ 87.0614, 0.3071,
0.3555

■ 82.5798, 0.3028,
0.3791

■ 92.2406, 0.3115,
0.3346

■ 78.7553, 0.2987,
0.4052

■ 95.6155, 0.3130,
0.3223

■ 75.5598, 0.2950,
0.4335

■ 72.9590, 0.2921,
0.4631

■ 70.9155, 0.2902,
0.4930

■ 69.3870, 0.2896,
0.5216

■ 68.3256, 0.2904,
0.5471

■ 67.6733, 0.2924,
0.5680

■ 67.4001, 0.2943,
0.5795

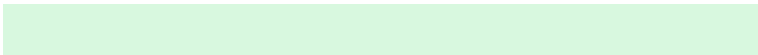
Harmonies

Analogous

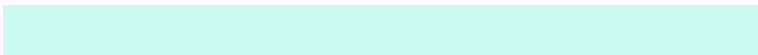
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0614, 0.3267, 0.3632



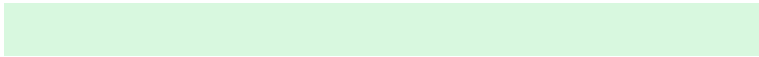
87.0614, 0.3071, 0.3555



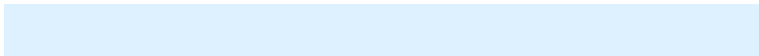
87.0614, 0.2894, 0.3400

Triad

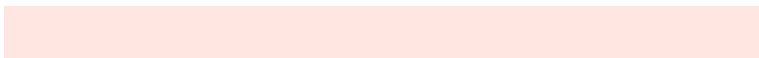
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0614, 0.3071, 0.3555



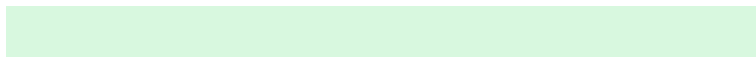
87.0614, 0.2829, 0.2974



87.0614, 0.3487, 0.3346

Complementary

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



87.0614, 0.3071, 0.3555



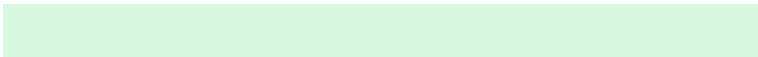
75.4389, 0.3189, 0.3039

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.



87.0614, 0.3362, 0.3180



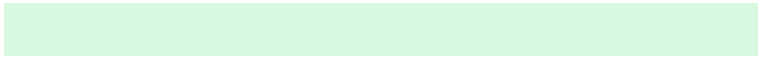
87.0614, 0.3071, 0.3555



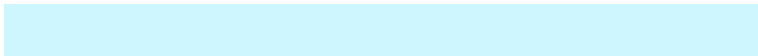
87.0614, 0.2980, 0.2970

Square

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



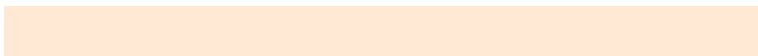
87.0614, 0.3071, 0.3555



87.0614, 0.2757, 0.3062



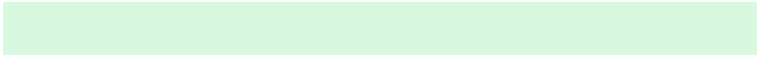
87.0614, 0.3175, 0.3045



87.0614, 0.3511, 0.3503

Rectangle

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



87.0614, 0.3071, 0.3555



87.0614, 0.2809, 0.3277



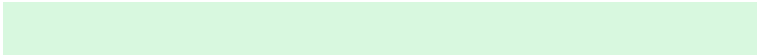
87.0614, 0.3175, 0.3045



87.0614, 0.3455, 0.3289

Sweetspot

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



87.0651, 0.3071, 0.3555



97.6127, 0.3110, 0.3368



90.8088, 0.3274, 0.3614



20.8000, 0.3107, 0.3383



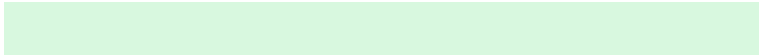
0.0000, 0.0000, 0.0000



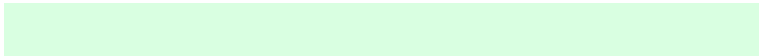
21.4041, 0.3127, 0.3290

Same Dimension

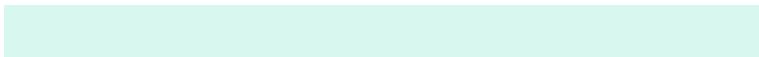
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0651, 0.3071, 0.3555



91.6724, 0.3062, 0.3603



87.9677, 0.2980, 0.3384



19.3709, 0.3086, 0.3481



36.4260, 0.2937, 0.5772



3.3887, 0.2878, 0.5560

Inverse Universe

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



75.4389, 0.3189, 0.3039



77.4538, 0.3200, 0.2996



74.5253, 0.3299, 0.3198



17.4563, 0.3171, 0.3106



12.9108, 0.3849, 0.1894



1.2112, 0.3757, 0.1843

Previews

White Background



This preview shows how the Yxy color 87.0614, 0.3071, 0.3555 looks on a white background.

Color Contrast Check

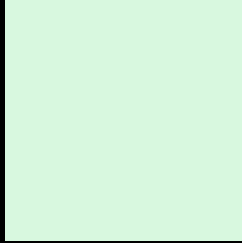
Large Text (above 18pt) WCAG AA × Fail

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 87.0614, 0.3071, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

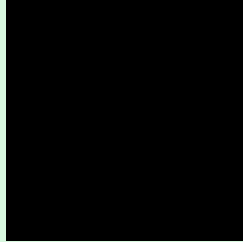
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

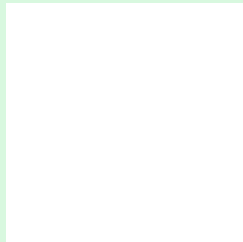
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0614, 0.3071, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 87.0614, 0.3071, 0.3555.

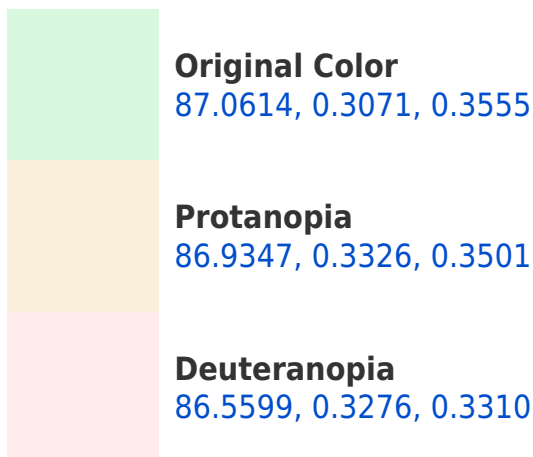


This preview shows how white text looks on a background with the Yxy color 87.0614, 0.3071, 0.3555.

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

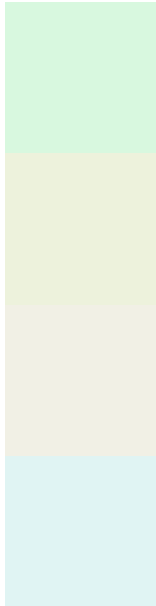




Tritanopia

87.2182, 0.2962, 0.3158

Trichromacy



Original Color

87.0614, 0.3071, 0.3555

Protanomaly

86.6761, 0.3229, 0.3516

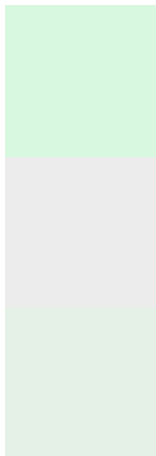
Deuteranomaly

86.6781, 0.3201, 0.3402

Tritanomaly

87.0197, 0.3006, 0.3300

Monochromacy



Original Color

87.0614, 0.3071, 0.3555

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.7477, 0.3110, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0614, 0.3071, 0.3555 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(216, 248, 223)` looks like.

```
.text, #text, p{  
    color:rgb(216, 248, 223)  
}
```

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(216, 248, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 248, 223) }
```

Border

The CSS property to change the border of an element to Yxy 87.0614, 0.3071, 0.3555 is called "border". The border property can be set on classes, ids or directly on the HTML element.

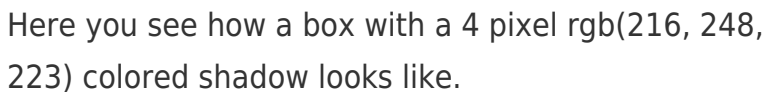
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 248, 223) }
```

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

```
.border{ border-color:rgb(216, 248, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 248, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 248, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 248, 223); box-shadow:4px 4px 4px 4px rgb(216, 248, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0614, 0.3071, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 248, 223) }
```

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

```
.background{ background-color: rgb(216,  
248, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor