

# Converting Colors

$Yxy(87.5067, 0.3050, 0.3457)$

Have a look what the booklet for  
Yxy(87.5067, 0.3050, 0.3457)  
contains.

<b>Yxy(87.5067, 0.3050, 0.3457)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(87.5067, 0.3050, 0.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCF7E7
RGB	220, 247, 231
RGB Percent	86%, 97%, 91%
CMY	0.1372, 0.0314, 0.0941
CMYK	0.11, 0.00, 0.06, 0.03
HSL	144°, 63%, 92%
HSV	144°, 11%, 97%
XYZ	77.2043, 87.5067, 88.4180
YIQ	237.1030, -10.9560, -10.7000

# Conversions

## Conversions Part 2

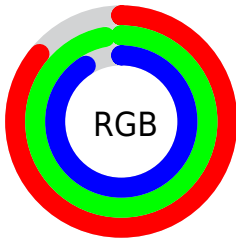
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 239, 247
Decimal	14481383
CIE Lab	94.95, -11.72, 4.71
CIE LCh	95, 12.634, 158.124
Yxy	87.5067, 0.3050, 0.3457
Android (android.graphics.Color)	4292671463 (0xFFDC7E7)
YUV	237.1030, -3.0088, -14.9993
Hunter-Lab	93.5450, -16.3846, 9.4411

# Details

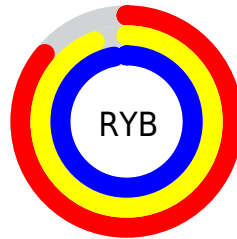
The Yxy color **87.5067, 0.3050, 0.3457** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0317, 0.3213, 0.3129**, and the grayscale version is **84.8065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3561, 0.3037, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **83.1425, 0.2981, 0.3629**, and if you desaturate by 10%, it is **92.5170, 0.3121, 0.3303**.

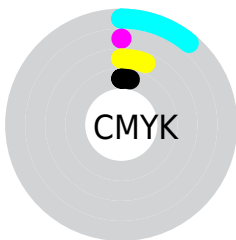
# Distribution



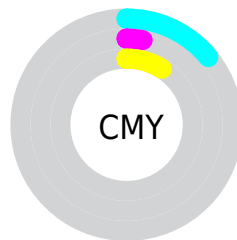
- Red (86%)
- Green (97%)
- Blue (91%)



- Red (86%)
- Yellow (94%)
- Blue (97%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)




- Cyan (14%)
- Magenta (3%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5067, 0.3050, 0.3457 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 87.5067, 0.3050, 0.3457 by changing the saturation by 10% instead.




 87.5067, 0.3050,  
0.3457

 87.5067, 0.3050,  
0.3457

519.8864, 0.3085,  
0.3381

 65.9146, 0.3042,  
0.3474


143.8702, 0.3062,  
0.3431

 48.2031, 0.3032,  
0.3495


179.4104, 0.3067,  
0.3421

 33.9877, 0.3020,  
0.3521


220.3687, 0.3071,  
0.3412

 22.8842, 0.3005,  
0.3555

267.1296, 0.3074,  
0.3404

 14.5080, 0.2984,  
0.3600

320.0774, 0.3078,  
0.3398

 8.4748, 0.2954,  
0.3664

379.5965, 0.3080,

 4.4003, 0.2909,

0.3392

0.3761

446.0714, 0.3083,  
0.3386

■ 1.8999, 0.2832,  
0.3927

■ 0.5483, 0.2235,  
0.5216

■ 87.5067, 0.3050,  
0.3457

■ 87.5067, 0.3050,  
0.3457

■ 83.1425, 0.2981,  
0.3629

■ 92.5170, 0.3121,  
0.3303

■ 79.3868, 0.2916,  
0.3820

■ 95.0016, 0.3131,  
0.3214

■ 76.2149, 0.2858,  
0.4029

■ 73.5958, 0.2811,  
0.4251

■ 71.4960, 0.2777,  
0.4483

■ 69.8777, 0.2760,  
0.4718

■ 68.6982, 0.2763,  
0.4947

■ 67.9063, 0.2784,  
0.5162

■ 67.4504, 0.2816,  
0.5338

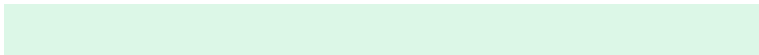
# Harmonies

## Analogous

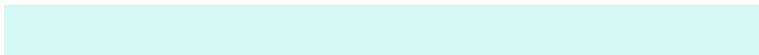
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5067, 0.3194, 0.3530



87.5067, 0.3050, 0.3457



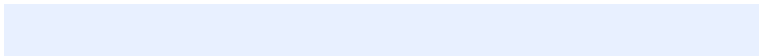
87.5067, 0.2929, 0.3336

# Triad

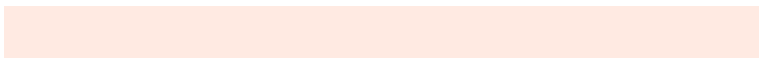
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5067, 0.3050, 0.3457



87.5067, 0.2932, 0.3051



87.5067, 0.3402, 0.3365

# Complementary

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



87.5067, 0.3050, 0.3457



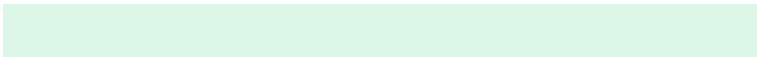
77.0317, 0.3213, 0.3129

# 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.



87.5067, 0.3328, 0.3241



87.5067, 0.3050, 0.3457



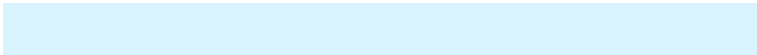
87.5067, 0.3056, 0.3063

# Square

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



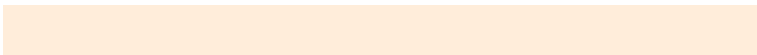
87.5067, 0.3050, 0.3457



87.5067, 0.2862, 0.3102



87.5067, 0.3201, 0.3132

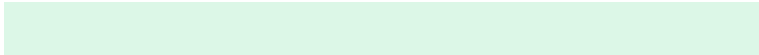


87.5067, 0.3399, 0.3473



# Rectangle

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



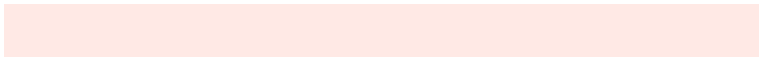
87.5067, 0.3050, 0.3457



87.5067, 0.2876, 0.3247



87.5067, 0.3201, 0.3132



87.5067, 0.3385, 0.3324

# Sweetspot

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



87.5104, 0.3050, 0.3457



98.2889, 0.3106, 0.3334



89.5591, 0.3219, 0.3566



20.9423, 0.3100, 0.3346



0.0000, 0.0000, 0.0000

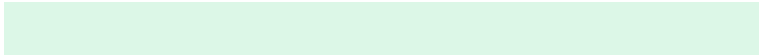


21.4041, 0.3127, 0.3290

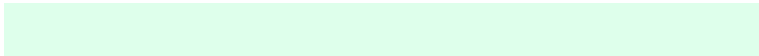


# Same Dimension

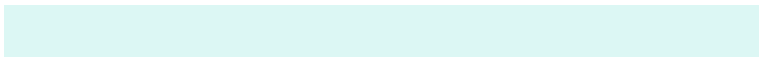
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5104, 0.3050, 0.3457



93.0433, 0.3035, 0.3492



88.2912, 0.2974, 0.3317



18.5838, 0.3060, 0.3434



35.6987, 0.2808, 0.5307



3.1574, 0.2738, 0.5058



# Inverse Universe

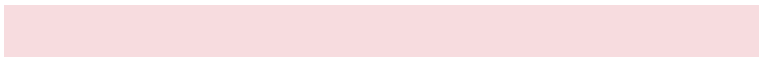
The Inverse Universe completely reimagines the original color for something new.



77.0317, 0.3213, 0.3129



79.8048, 0.3231, 0.3097



76.2866, 0.3304, 0.3263



16.6476, 0.3200, 0.3150



11.5934, 0.4569, 0.2290

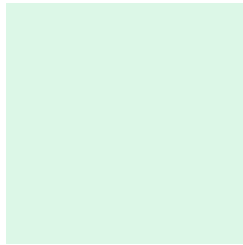


1.0393, 0.4351, 0.2171



# Previews

## White Background



This preview shows how the Yxy color 87.5067, 0.3050, 0.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

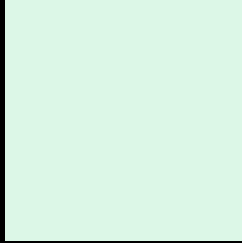
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.5067, 0.3050, 0.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

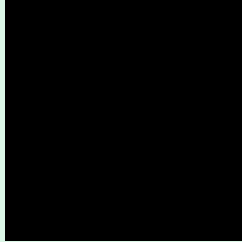
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

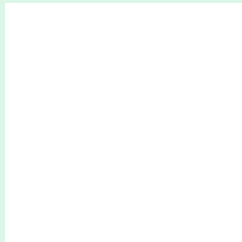
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.5067, 0.3050, 0.3457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.5067, 0.3050, 0.3457.

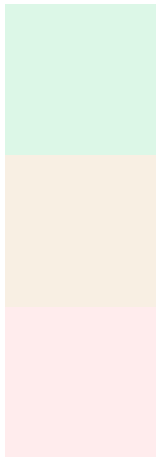


This preview shows how white text looks on a background with the Yxy color 87.5067, 0.3050, 0.3457.

# 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**

87.5067, 0.3050, 0.3457

**Protanopia**

87.2355, 0.3262, 0.3410

**Deuteranopia**

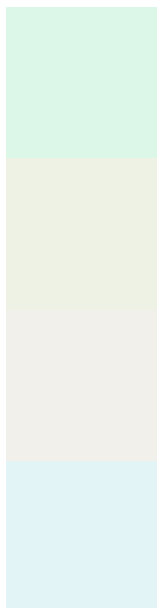
87.3653, 0.3249, 0.3281



## Tritanopia

87.5473, 0.2974, 0.3159

# Trichromacy



## Original Color

87.5067, 0.3050, 0.3457

## Protanomaly

87.2828, 0.3186, 0.3433

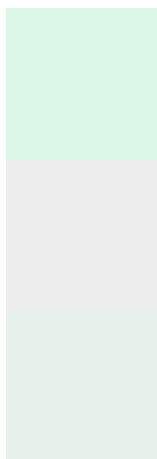
## Deuteranomaly

87.1956, 0.3171, 0.3340

## Tritanomaly

87.5239, 0.3001, 0.3269

# Monochromacy



## Original Color

87.5067, 0.3050, 0.3457

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.8977, 0.3098, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.5067, 0.3050, 0.3457 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(220, 247, 231)` looks like.

```
.text, #text, p{  
    color:rgb(220, 247, 231)  
}
```

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(220, 247, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 247, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 87.5067, 0.3050, 0.3457 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(220, 247, 231) }
```

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

```
.border{ border-color:rgb(220, 247, 231) }
```

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

Here you see how a box with a 4 pixel rgb(220, 247, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 247, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 247, 231);  
box-shadow:4px 4px 4px 4px rgb(220, 247,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.5067, 0.3050, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 247, 231) }
```

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

```
.background{ background-color: rgb(220,  
247, 231) }
```

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