

Converting Colors

Yxy(84.1674, 0.3088, 0.3549)

Have a look what the booklet for
Yxy(84.1674, 0.3088, 0.3549)
contains.

Yxy(84.3157, 0.3083, 0.3547)	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(84.3157, 0.3083, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	D7F4DC
RGB	215, 244, 220
RGB Percent	84%, 96%, 86%
CMY	0.1569, 0.0431, 0.1373
CMYK	0.12, 0.00, 0.10, 0.04
HSL	130°, 57%, 90%
HSV	130°, 12%, 96%
XYZ	73.2860, 84.3157, 80.1082
YIQ	232.5930, -9.5800, -13.6120

Conversions

Conversions Part 2

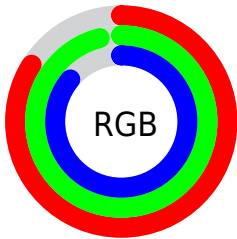
Format	Color
R _Y B	215, 240, 244
Decimal	14152924
CIE Lab	93.59, -13.87, 8.39
CIE LCh	94, 16.210, 148.822
Yxy	84.3157, 0.3083, 0.3547
Android (android.graphics.Color)	4292343004 (0xFFD7F4DC)
YUV	232.5930, -6.2083, -15.4291
Hunter-Lab	91.8236, -18.2274, 12.5510

Details

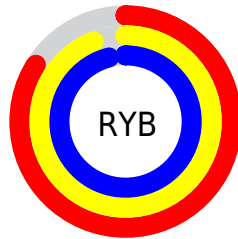
The Yxy color **84.3157, 0.3083, 0.3547** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0575, 0.3175, 0.3046**, and the grayscale version is **81.2150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1566, 0.3071, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **79.8909, 0.3046, 0.3794**, and if you desaturate by 10%, it is **89.4278, 0.3120, 0.3328**.

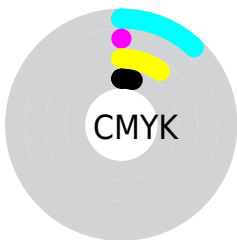
Distribution



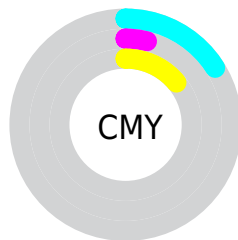
- Red (84%)
- Green (96%)
- Blue (86%)



- Red (84%)
- Yellow (94%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3157, 0.3083, 0.3547 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 84.3157, 0.3083, 0.3547 by changing the saturation by 10% instead.


 84.3157, 0.3083,
0.3547

 84.3157, 0.3083,
0.3547


509.3610, 0.3104,
0.3429

 63.2761, 0.3078,
0.3574


139.4167, 0.3090,
0.3506

 46.0646, 0.3072,
0.3607


174.2469, 0.3093,
0.3490

 32.2968, 0.3064,
0.3649


214.4428, 0.3096,
0.3477

 21.5883, 0.3054,
0.3703

260.3887, 0.3098,
0.3465

 13.5547, 0.3039,
0.3777

312.4691, 0.3100,
0.3454

 7.8116, 0.3017,
0.3882

371.0684, 0.3101,

 3.9746, 0.2982,

0.3445

0.4046

436.5709, 0.3103,
0.3436

■ 1.6594, 0.2916,
0.4333

■ 0.3972, 0.0893,
0.9107

■ 84.3157, 0.3083,
0.3547

■ 84.3157, 0.3083,
0.3547

■ 79.8909, 0.3046,
0.3794

■ 89.4278, 0.3120,
0.3328

■ 76.1138, 0.3010,
0.4068

■ 93.1892, 0.3132,
0.3185

■ 72.9569, 0.2977,
0.4364

■ 70.3869, 0.2950,
0.4675

■ 68.3669, 0.2932,
0.4987

■ 66.8559, 0.2925,
0.5281

■ 65.8073, 0.2929,
0.5540

■ 65.1653, 0.2945,
0.5744

■ 64.8768, 0.2962,
0.5864

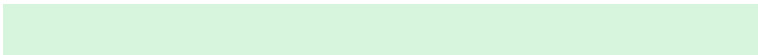
Harmonies

Analogous

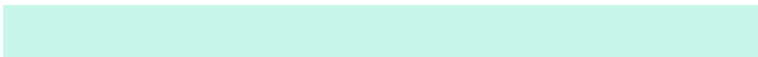
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3157, 0.3269, 0.3616



84.3157, 0.3083, 0.3547



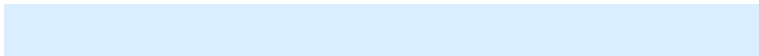
84.3157, 0.2912, 0.3402

Triad

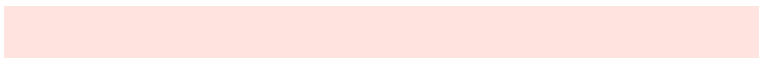
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3157, 0.3083, 0.3547



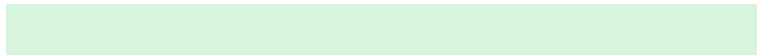
84.3157, 0.2838, 0.2992



84.3157, 0.3465, 0.3336

Complementary

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



84.3157, 0.3083, 0.3547



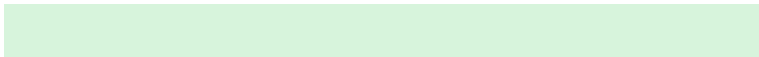
74.0575, 0.3175, 0.3046

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.



84.3157, 0.3343, 0.3178



84.3157, 0.3083, 0.3547



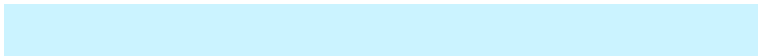
84.3157, 0.2979, 0.2984

Square

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



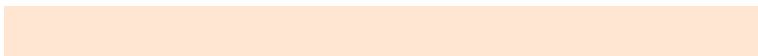
84.3157, 0.3083, 0.3547



84.3157, 0.2774, 0.3079



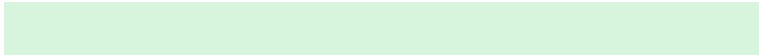
84.3157, 0.3163, 0.3051



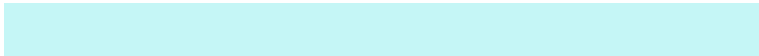
84.3157, 0.3494, 0.3486

Rectangle

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



84.3157, 0.3083, 0.3547



84.3157, 0.2829, 0.3287



84.3157, 0.3163, 0.3051



84.3157, 0.3433, 0.3282

Sweetspot

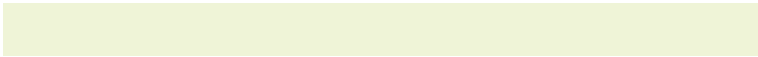
The Sweet Spot groups the original color and five complimentary colors.



84.3193, 0.3083, 0.3547



97.5847, 0.3112, 0.3372



87.9954, 0.3272, 0.3587



20.7929, 0.3110, 0.3388



0.0000, 0.0000, 0.0000



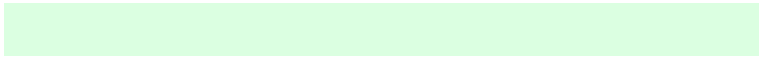
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3193, 0.3083, 0.3547



92.0876, 0.3075, 0.3597



85.1127, 0.3000, 0.3392



18.5186, 0.3092, 0.3492



35.2858, 0.2957, 0.5844



3.1142, 0.2900, 0.5639

Inverse Universe

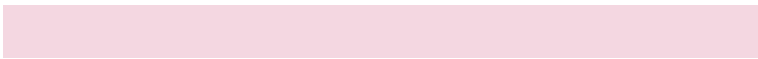
The Inverse Universe completely reimagines the original color for something new.



74.0575, 0.3175, 0.3046



78.9097, 0.3184, 0.3001



73.2425, 0.3274, 0.3191



16.7164, 0.3164, 0.3096



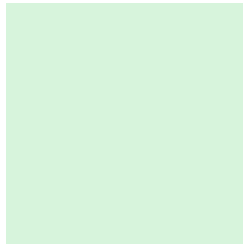
12.7933, 0.3700, 0.1812



1.1371, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 84.3157, 0.3083, 0.3547 looks on a white background.

Color Contrast Check

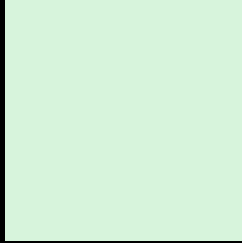
Large Text (above 18pt) WCAG AA × Fail

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 84.3157, 0.3083, 0.3547 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

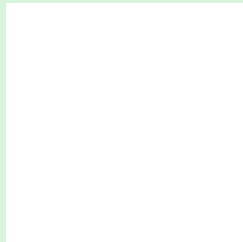
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3157, 0.3083, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 84.3157, 0.3083, 0.3547.

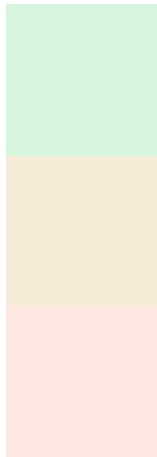


This preview shows how white text looks on a background with the Yxy color 84.3157, 0.3083, 0.3547.

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

84.3157, 0.3083, 0.3547

Protanopia

83.7354, 0.3323, 0.3494

Deuteranopia

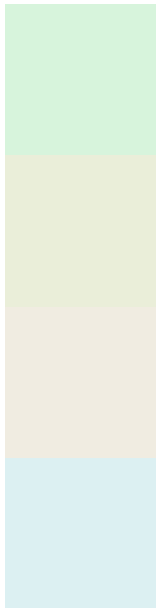
84.0133, 0.3313, 0.3320



Tritanopia

84.0570, 0.2930, 0.3116

Trichromacy



Original Color

84.3157, 0.3083, 0.3547

Protanomaly

83.6513, 0.3231, 0.3509

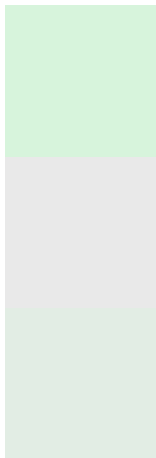
Deuteranomaly

83.9524, 0.3223, 0.3403

Tritanomaly

83.9466, 0.2987, 0.3269

Monochromacy



Original Color

84.3157, 0.3083, 0.3547

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3386, 0.3109, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3157, 0.3083, 0.3547 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(215, 244, 220)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 220)  
}
```

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(215, 244, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 220) }
```

Border

The CSS property to change the border of an element to Yxy 84.3157, 0.3083, 0.3547 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(215, 244, 220) }
```

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

```
.border{ border-color:rgb(215, 244, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 220);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3157, 0.3083, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 220) }
```

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

```
.background{ background-color: rgb(215,  
244, 220) }
```

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