

Converting Colors

$Yxy(84.7961, 0.3065, 0.3640)$

Have a look what the booklet for
Yxy(84.7961, 0.3065, 0.3640)
contains.

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Color

Yxy(84.8377, 0.3067, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	D0F7D7
RGB	208, 247, 215
RGB Percent	82%, 97%, 84%
CMY	0.1842, 0.0314, 0.1569
CMYK	0.16, 0.00, 0.13, 0.03
HSL	131°, 71%, 89%
HSV	131°, 16%, 97%
XYZ	71.5417, 84.8377, 76.8834
YIQ	231.6910, -12.9720, -18.2200

Conversions

Conversions Part 2

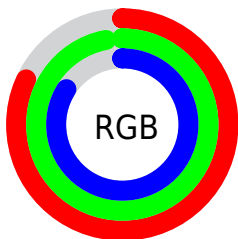
Format	Color
R _Y B	208, 241, 247
Decimal	13694935
CIE Lab	93.81, -18.51, 11.24
CIE LCh	94, 21.652, 148.737
Yxy	84.8377, 0.3067, 0.3637
Android (android.graphics.Color)	4291885015 (0xFFD0F7D7)
YUV	231.6910, -8.2287, -20.7770
Hunter-Lab	92.1074, -22.5433, 14.9849

Details

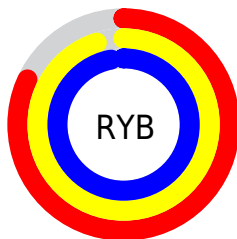
The Yxy color $84.8377, 0.3067, 0.3637$ is a light color, and the websafe version is hex `CCFFCC`. A complement of this color would be $71.1911, 0.3194, 0.2966$, and the grayscale version is $80.5271, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.5720, 0.3051, 0.3728$ is the 20% darker color. If you saturate the color by 10%, you get $80.5559, 0.3029, 0.3893$, and if you desaturate by 10%, it is $89.8136, 0.3105, 0.3409$.

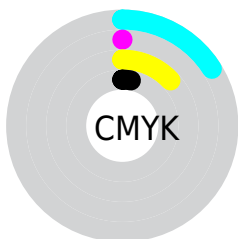
Distribution



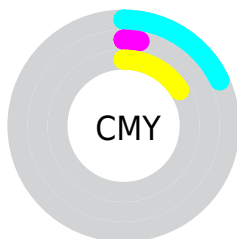
- Red (82%)
- Green (97%)
- Blue (84%)



- Red (82%)
- Yellow (95%)
- Blue (97%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)




- Cyan (18%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8377, 0.3067, 0.3637 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 84.8377, 0.3067, 0.3637 by changing the saturation by 10% instead.


 84.8377, 0.3067,
0.3637

 84.8377, 0.3067,
0.3637

511.0909, 0.3096,
0.3477

 63.7073, 0.3060,
0.3674

140.1464, 0.3077,
0.3581

 46.4136, 0.3051,
0.3719


175.0935, 0.3081,
0.3560

 32.5724, 0.3040,
0.3776


215.4149, 0.3085,
0.3541

 21.7990, 0.3025,
0.3850

261.4950, 0.3088,
0.3525

 13.7093, 0.3004,
0.3952

313.7183, 0.3090,
0.3511

 7.9188, 0.2972,
0.4098

372.4691, 0.3092,

 4.0430, 0.2919,

0.3498

0.4326

438.1318, 0.3094,
0.3487

■ 1.6977, 0.2820,
0.4730

■ 0.4221, 0.0000,
1.0000

■ 84.8377, 0.3067,
0.3637

■ 84.8377, 0.3067,
0.3637

■ 80.5559, 0.3029,
0.3893

■ 89.8136, 0.3105,
0.3409

■ 76.9269, 0.2993,
0.4174

■ 95.0025, 0.3131,
0.3214

■ 73.9216, 0.2962,
0.4476

■ 71.5044, 0.2938,
0.4787

■ 69.6361, 0.2924,
0.5093

■ 68.2725, 0.2921,
0.5375

■ 67.3626, 0.2931,
0.5615

■ 66.8439, 0.2951,
0.5797

■ 66.7052, 0.2960,
0.5856

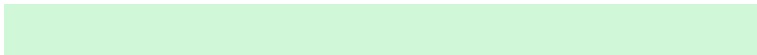
Harmonies

Analogous

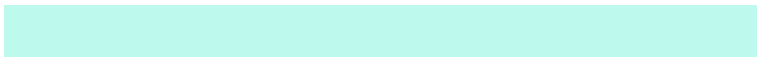
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8377, 0.3315, 0.3728



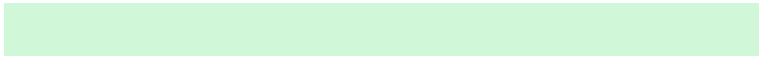
84.8377, 0.3067, 0.3637



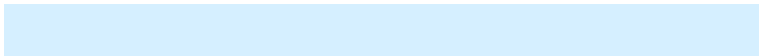
84.8377, 0.2842, 0.3441

Triad

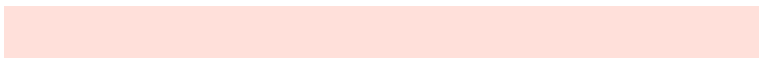
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8377, 0.3067, 0.3637



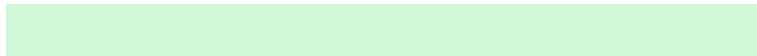
84.8377, 0.2743, 0.2895



84.8377, 0.3579, 0.3346

Complementary

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



84.8377, 0.3067, 0.3637



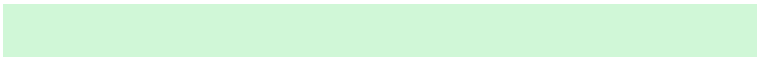
71.1911, 0.3194, 0.2966

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.



84.8377, 0.3414, 0.3141



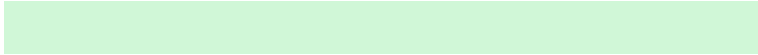
84.8377, 0.3067, 0.3637



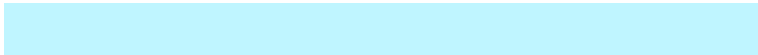
84.8377, 0.2928, 0.2886

Square

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



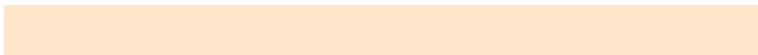
84.8377, 0.3067, 0.3637



84.8377, 0.2660, 0.3008



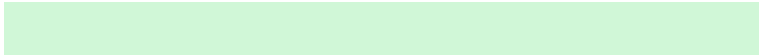
84.8377, 0.3173, 0.2975



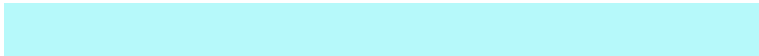
84.8377, 0.3617, 0.3547

Rectangle

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



84.8377, 0.3067, 0.3637



84.8377, 0.2733, 0.3284



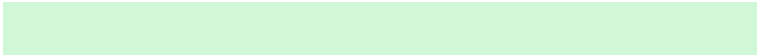
84.8377, 0.3173, 0.2975



84.8377, 0.3536, 0.3276

Sweetspot

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



84.8413, 0.3067, 0.3637



97.0053, 0.3108, 0.3393



89.6915, 0.3321, 0.3688



20.6764, 0.3106, 0.3408



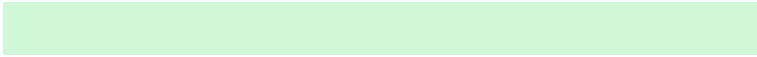
0.0000, 0.0000, 0.0000



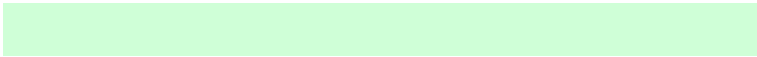
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8413, 0.3067, 0.3637



89.6375, 0.3055, 0.3717



85.8768, 0.2959, 0.3428



18.5204, 0.3091, 0.3490



35.2923, 0.2954, 0.5835



3.1150, 0.2896, 0.5627

Inverse Universe

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



71.1911, 0.3194, 0.2966



72.3430, 0.3209, 0.2897



70.1188, 0.3330, 0.3156



16.7145, 0.3165, 0.3098



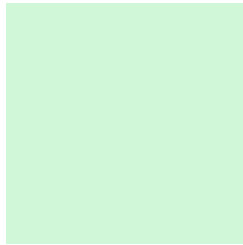
12.7545, 0.3720, 0.1823



1.1340, 0.3645, 0.1781

Previews

White Background



This preview shows how the Yxy color 84.8377, 0.3067, 0.3637 looks on a white background.

Color Contrast Check

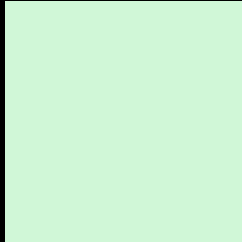
Large Text (above 18pt) WCAG AA × Fail

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 84.8377, 0.3067, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

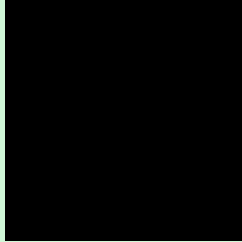
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

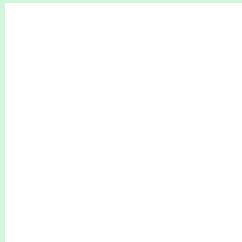
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8377, 0.3067, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 84.8377, 0.3067, 0.3637.

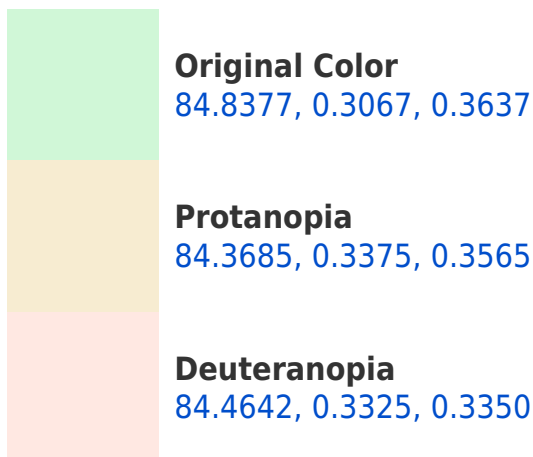


This preview shows how white text looks on a background with the Yxy color 84.8377, 0.3067, 0.3637.

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

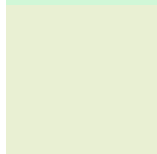
84.7558, 0.2913, 0.3136

Trichromacy



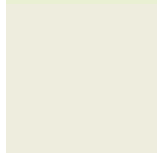
Original Color

84.8377, 0.3067, 0.3637



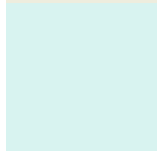
Protanomaly

84.3470, 0.3260, 0.3593



Deuteranomaly

84.0194, 0.3228, 0.3444



Tritanomaly

84.9914, 0.2973, 0.3321

Monochromacy



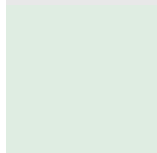
Original Color

84.8377, 0.3067, 0.3637



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

81.7473, 0.3102, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8377, 0.3067, 0.3637 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, 247, 215)` looks like.

```
.text, #text, p{  
    color:rgb(208, 247, 215)  
}
```

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, 247, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 247, 215) }
```

Border

The CSS property to change the border of an element to Yxy 84.8377, 0.3067, 0.3637 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, 247, 215) }
```

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

```
.border{ border-color:rgb(208, 247, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 247, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 247, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 247, 215);  
box-shadow:4px 4px 4px 4px rgb(208, 247,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8377, 0.3067, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 247, 215) }
```

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

```
.background{ background-color: rgb(208,  
247, 215) }
```

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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