

Converting Colors

$Yxy(85.1393, 0.3108, 0.3692)$

Have a look what the booklet for
Yxy(85.1393, 0.3108, 0.3692)
contains.

Yxy(84.8763, 0.3108, 0.3691)	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(84.8763, 0.3108, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	D2F7D2
RGB	210, 247, 210
RGB Percent	82%, 97%, 82%
CMY	0.1766, 0.0313, 0.1763
CMYK	0.15, 0.00, 0.15, 0.03
HSL	120°, 70%, 90%
HSV	120°, 15%, 97%
XYZ	71.4699, 84.8763, 73.6085
YIQ	231.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

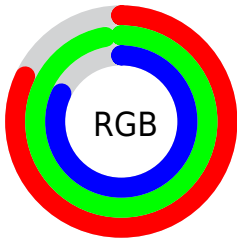
Format	Color
R_{YB}	210, 247, 247
Decimal	13826002
CIE _{Lab}	93.83, -18.73, 13.83
CIE _{LCh}	94, 23.285, 143.559
Yxy	84.8763, 0.3108, 0.3691
Android (android.graphics.Color)	4292016082 (0xFFD2F7D2)
YUV	231.7190, -10.7075, -19.0476
Hunter-Lab	92.1283, -22.7505, 17.1184

Details

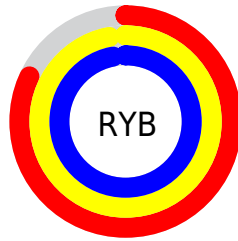
The Yxy color **84.8763, 0.3108, 0.3691** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.5704, 0.3145, 0.2919**, and the grayscale version is **80.5630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5967, 0.3103, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **80.3939, 0.3093, 0.4002**, and if you desaturate by 10%, it is **90.1149, 0.3121, 0.3415**.

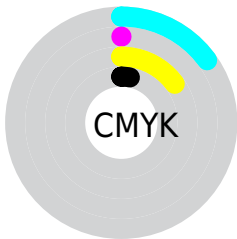
Distribution



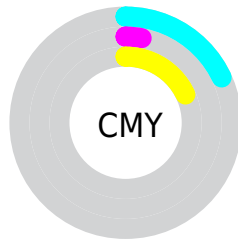
- Red (82%)
- Green (97%)
- Blue (82%)



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



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8763, 0.3108, 0.3691 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 84.8763, 0.3108, 0.3691 by changing the saturation by 10% instead.


 84.8763, 0.3108,
0.3691

 84.8763, 0.3108,
0.3691


511.2187, 0.3119,
0.3505

 63.7392, 0.3105,
0.3733


140.2003, 0.3112,
0.3627

 46.4395, 0.3101,
0.3786


175.1560, 0.3114,
0.3602

 32.5927, 0.3095,
0.3852


215.4867, 0.3115,
0.3580

 21.8146, 0.3087,
0.3939

261.5768, 0.3116,
0.3561

 13.7208, 0.3075,
0.4057

313.8106, 0.3117,
0.3545

 7.9267, 0.3055,
0.4227

372.5726, 0.3118,


 4.0481, 0.3018,


0.3530

0.4491


438.2472, 0.3119,
0.3517


 1.7005, 0.2957,
0.4989

 0.4240, 0.0000,
1.0000


 84.8763, 0.3108,
0.3691


 84.8763, 0.3108,
0.3691


 80.3939, 0.3093,
0.4002

 90.1149, 0.3121,
0.3415

 76.6227, 0.3077,
0.4343

 95.0068, 0.3131,
0.3214

 73.5293, 0.3060,
0.4703

 71.0736, 0.3043,
0.5062

■ 69.2112, 0.3028,
0.5393

■ 67.8919, 0.3015,
0.5669

■ 67.0575, 0.3006,
0.5865

■ 66.6360, 0.3001,
0.5971

■ 66.5276, 0.3000,
0.5999

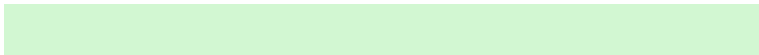
Harmonies

Analogous

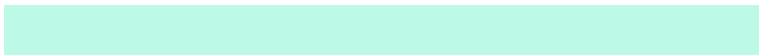
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8763, 0.3372, 0.3765



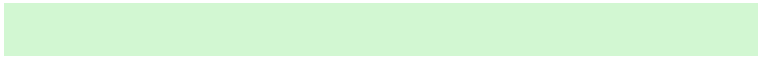
84.8763, 0.3108, 0.3691



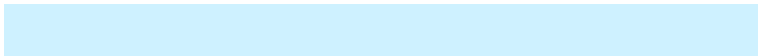
84.8763, 0.2857, 0.3494

Triad

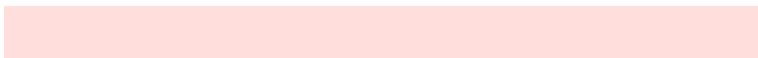
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8763, 0.3108, 0.3691



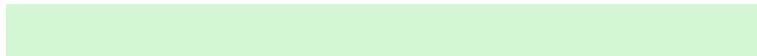
84.8763, 0.2691, 0.2879



84.8763, 0.3591, 0.3310

Complementary

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



84.8763, 0.3108, 0.3691



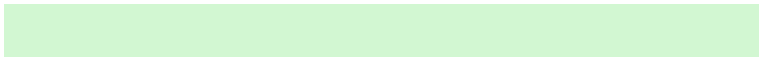
72.5704, 0.3145, 0.2919

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.



84.8763, 0.3394, 0.3095



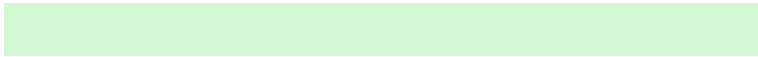
84.8763, 0.3108, 0.3691



84.8763, 0.2873, 0.2851

Square

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



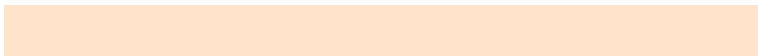
84.8763, 0.3108, 0.3691



84.8763, 0.2624, 0.3017



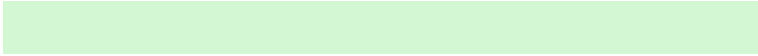
84.8763, 0.3129, 0.2930



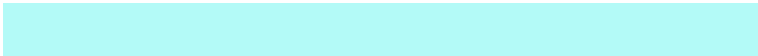
84.8763, 0.3658, 0.3530

Rectangle

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



84.8763, 0.3108, 0.3691



84.8763, 0.2729, 0.3326



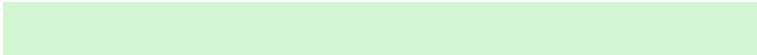
84.8763, 0.3129, 0.2930



84.8763, 0.3538, 0.3235

Sweetspot

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



84.8799, 0.3108, 0.3691



97.4778, 0.3122, 0.3389



90.9546, 0.3352, 0.3663



20.7660, 0.3121, 0.3409



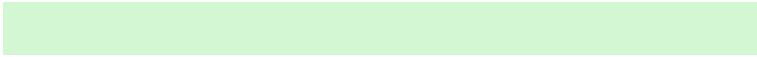
0.0000, 0.0000, 0.0000



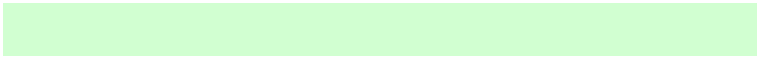
21.4041, 0.3127, 0.3290

Same Dimension

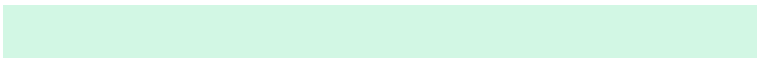
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8799, 0.3108, 0.3691



89.7017, 0.3104, 0.3782



85.8540, 0.3002, 0.3487



18.4724, 0.3115, 0.3534



35.1817, 0.3000, 0.5999



3.0923, 0.2999, 0.5997

Inverse Universe

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



72.5704, 0.3145, 0.2919



74.1256, 0.3149, 0.2843



71.4867, 0.3274, 0.3101



16.7679, 0.3138, 0.3057



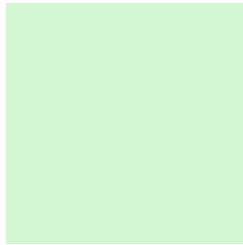
13.9977, 0.3213, 0.1544



1.2304, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 84.8763, 0.3108, 0.3691 looks on a white background.

Color Contrast Check

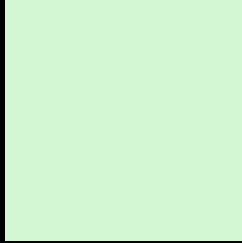
Large Text (above 18pt) WCAG AA × Fail

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 84.8763, 0.3108, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

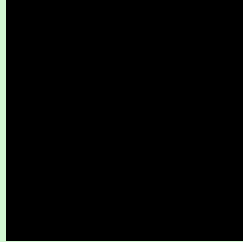
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

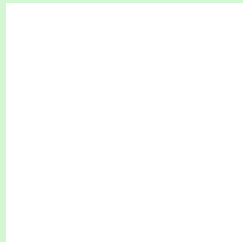
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8763, 0.3108, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 84.8763, 0.3108, 0.3691.

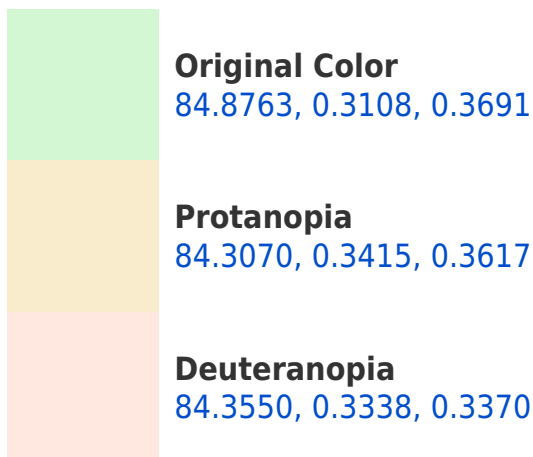


This preview shows how white text looks on a background with the Yxy color 84.8763, 0.3108, 0.3691.

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

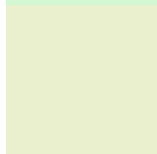
84.4826, 0.2924, 0.3126

Trichromacy



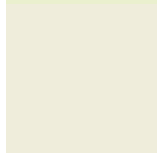
Original Color

84.8763, 0.3108, 0.3691



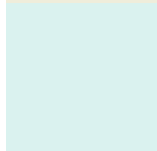
Protanomaly

84.2688, 0.3298, 0.3646



Deuteranomaly

84.0336, 0.3253, 0.3475



Tritanomaly

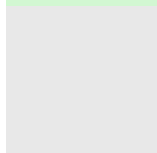
84.6417, 0.2992, 0.3321

Monochromacy



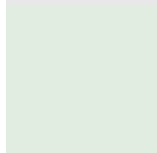
Original Color

84.8763, 0.3108, 0.3691



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

81.7975, 0.3121, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8763, 0.3108, 0.3691 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(210, 247, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 247, 210)  
}
```

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(210, 247, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 247, 210) }
```

Border

The CSS property to change the border of an element to Yxy 84.8763, 0.3108, 0.3691 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(210, 247, 210) }
```

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

```
.border{ border-color:rgb(210, 247, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 247, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 247, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 247, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 247,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8763, 0.3108, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 247, 210) }
```

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

```
.background{ background-color: rgb(210,  
247, 210) }
```

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