

Converting Colors

$Yxy(99.3801, 0.3101, 0.3834)$

Have a look what the booklet for
Yxy(99.3801, 0.3101, 0.3834)
contains.

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Color

Yxy(90.8734, 0.3107, 0.3713)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | D7FFD7 |
| RGB | 215, 255, 215 |
| RGB Percent | 84%, 100%, 84% |
| CMY | 0.1570, 0.0000, 0.1568 |
| CMYK | 0.16, 0.00, 0.16, 0.00 |
| HSL | 120°, 100%, 92% |
| HSV | 120°, 16%, 100% |
| XYZ | 76.0419, 90.8734, 77.8286 |
| YIQ | 238.4800, -11.0000, -20.9200 |

Conversions

Conversions Part 2

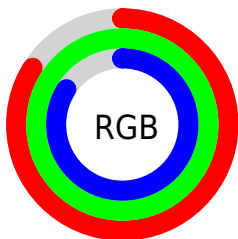
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 215, 255, 255 |
| Decimal | 14155735 |
| CIELab | 96.36, -20.13, 14.90 |
| CIELCh | 96, 25.046, 143.501 |
| Yxy | 90.8734, 0.3107, 0.3713 |
| Android (android.graphics.Color) | 4292345815 (0xFFD7FFD7) |
| YUV | 238.4800, -11.5756, -20.5920 |
| Hunter-Lab | 95.3275, -24.4354, 18.3230 |

Details

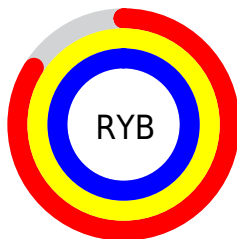
The Yxy color **90.8734, 0.3107, 0.3713** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.0570, 0.3146, 0.2901**, and the grayscale version is **85.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3998, 0.3103, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **86.0955, 0.3092, 0.4027**, and if you desaturate by 10%, it is **96.4456, 0.3120, 0.3433**.

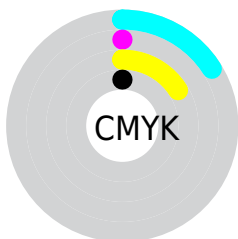
Distribution



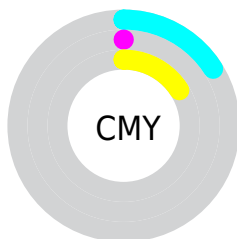
- Red (84%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (100%)



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




- Cyan (16%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8734, 0.3107, 0.3713 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 90.8734, 0.3107, 0.3713 by changing the saturation by 10% instead.

 90.8734, 0.3107,
0.3713

 90.8734, 0.3107,
0.3713


530.8679, 0.3119,
0.3519

 68.7053, 0.3104,
0.3757

148.5510, 0.3112,
0.3646

 50.4717, 0.3100,
0.3810

184.8292, 0.3113,
0.3620

 35.7884, 0.3094,
0.3878


226.5796, 0.3115,
0.3598

 24.2708, 0.3086,
0.3966

274.1866, 0.3116,
0.3578

 15.5346, 0.3073,
0.4084

328.0345, 0.3117,
0.3561

 9.1954, 0.3053,
0.4252

388.5078, 0.3117,

 4.8689, 0.3017,

0.3545

0.4507

455.9908, 0.3118,
0.3532

■ 2.1705, 0.2942,
0.4941

■ 0.7039, 0.2014,
0.7986

■ 90.8734, 0.3107,
0.3713

■ 90.8734, 0.3107,
0.3713

■ 86.0955, 0.3092,
0.4027

■ 96.4456, 0.3120,
0.3433

■ 82.0913, 0.3076,
0.4371

100.0000, 0.3127,
0.3290

■ 78.8152, 0.3059,
0.4732

■ 76.2235, 0.3042,
0.5090

■ 74.2676, 0.3027,
0.5419

■ 72.8929, 0.3014,
0.5689

■ 72.0353, 0.3005,
0.5878

■ 71.6157, 0.3001,
0.5977

■ 71.5207, 0.3000,
0.5999

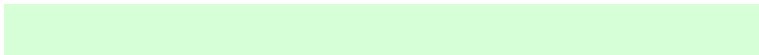
Harmonies

Analogous

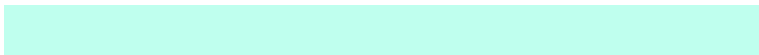
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8734, 0.3384, 0.3790



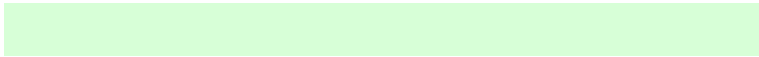
90.8734, 0.3107, 0.3713



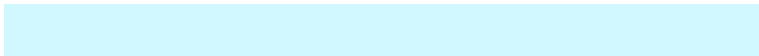
90.8734, 0.2844, 0.3505

Triad

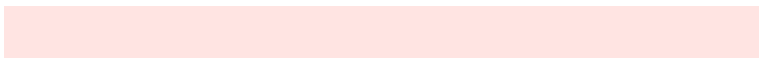
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8734, 0.3107, 0.3713



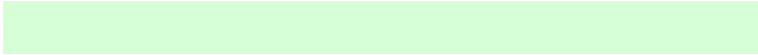
90.8734, 0.2669, 0.2858



90.8734, 0.3615, 0.3310

Complementary

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



90.8734, 0.3107, 0.3713



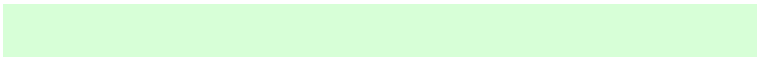
77.0570, 0.3146, 0.2901

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.



90.8734, 0.3407, 0.3085



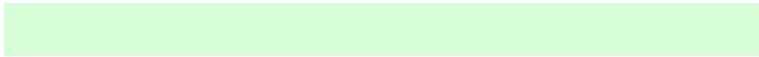
90.8734, 0.3107, 0.3713



90.8734, 0.2859, 0.2829

Square

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



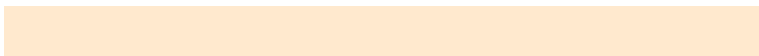
90.8734, 0.3107, 0.3713



90.8734, 0.2599, 0.3003



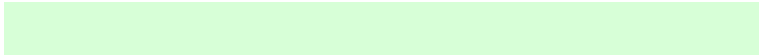
90.8734, 0.3128, 0.2912



90.8734, 0.3686, 0.3541

Rectangle

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



90.8734, 0.3107, 0.3713



90.8734, 0.2710, 0.3328



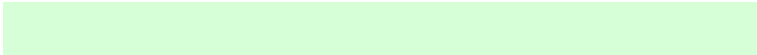
90.8734, 0.3128, 0.2912



90.8734, 0.3559, 0.3232

Sweetspot

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



90.8678, 0.3107, 0.3713



96.8683, 0.3121, 0.3415



97.6842, 0.3364, 0.3681



20.6432, 0.3120, 0.3433



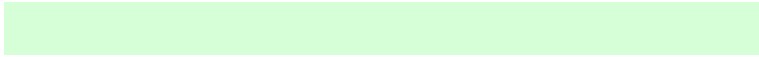
0.0000, 0.0000, 0.0000



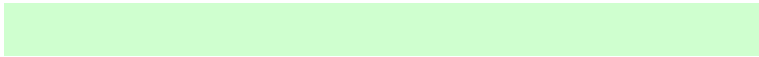
21.4041, 0.3127, 0.3290

Same Dimension

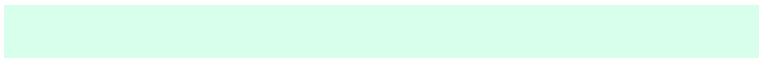
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8678, 0.3107, 0.3713



89.2067, 0.3102, 0.3813



91.9580, 0.2996, 0.3498



20.1686, 0.3115, 0.3535



37.3713, 0.3000, 0.5999



3.6388, 0.2999, 0.5997

Inverse Universe

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



77.0570, 0.3146, 0.2901



72.8839, 0.3150, 0.2817



75.8373, 0.3282, 0.3091



18.3000, 0.3138, 0.3056



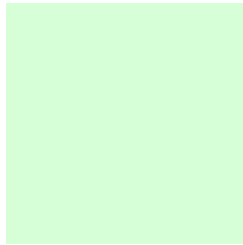
14.8706, 0.3212, 0.1543



1.4480, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 90.8734, 0.3107, 0.3713 looks on a white background.

Color Contrast Check

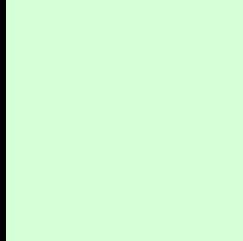
Large Text (above 18pt) WCAG AA × Fail

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 90.8734, 0.3107, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

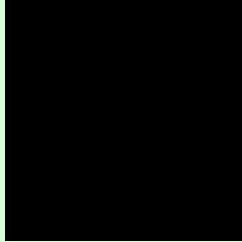
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

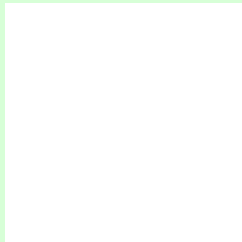
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8734, 0.3107, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 90.8734, 0.3107, 0.3713.

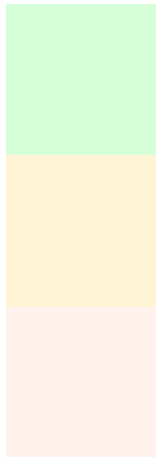


This preview shows how white text looks on a background with the Yxy color 90.8734, 0.3107, 0.3713.

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

90.8734, 0.3107, 0.3713

Protanopia

90.1653, 0.3394, 0.3588

Deuteranopia

90.2267, 0.3251, 0.3339



Tritanopia

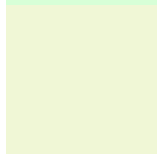
90.7937, 0.3006, 0.3200

Trichromacy



Original Color

90.8734, 0.3107, 0.3713



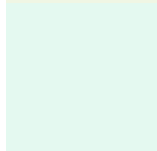
Protanomaly

89.9018, 0.3281, 0.3626



Deuteranomaly

90.0382, 0.3196, 0.3472



Tritanomaly

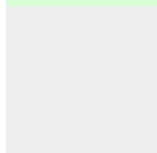
90.5366, 0.3048, 0.3381

Monochromacy



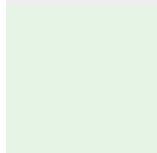
Original Color

90.8734, 0.3107, 0.3713



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.2375, 0.3120, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8734, 0.3107, 0.3713 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, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 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(215, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 90.8734, 0.3107, 0.3713 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, 255, 215) }
```

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

```
.border{ border-color:rgb(215, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8734, 0.3107, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 215) }
```

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

```
.background{ background-color: rgb(215,  
255, 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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