

Converting Colors

$Yxy(90.3442, 0.3170, 0.3833)$

Have a look what the booklet for
Yxy(90.3442, 0.3170, 0.3833)
contains.

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Color

Yxy(90.3267, 0.3169, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	D7FFCC
RGB	215, 255, 204
RGB Percent	84%, 100%, 80%
CMY	0.1570, 0.0000, 0.1998
CMYK	0.16, 0.00, 0.20, 0.00
HSL	107°, 100%, 90%
HSV	107°, 20%, 100%
XYZ	74.6792, 90.3267, 70.6495
YIQ	237.2260, -7.4690, -24.3410

Conversions

Conversions Part 2

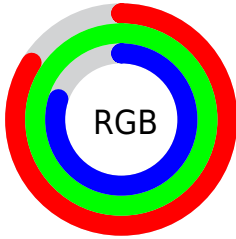
Format	Color
R_{YB}	204, 255, 244
Decimal	14155724
CIE _{Lab}	96.13, -21.95, 20.19
CIE _{LCh}	96, 29.820, 137.399
Yxy	90.3267, 0.3169, 0.3833
Android (android.graphics.Color)	4292345804 (0xFFD7FFCC)
YUV	237.2260, -16.3804, -19.4922
Hunter-Lab	95.0404, -26.0620, 22.4543

Details

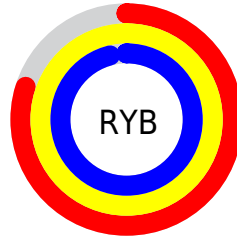
The Yxy color **90.3267, 0.3169, 0.3833** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.6714, 0.3071, 0.2780**, and the grayscale version is **84.9985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0638, 0.3174, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **86.3491, 0.3185, 0.4146**, and if you desaturate by 10%, it is **94.8693, 0.3149, 0.3546**.

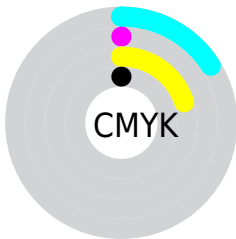
Distribution



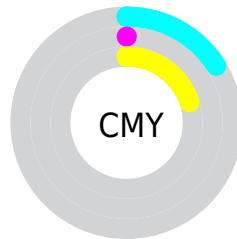
- Red (84%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (96%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3267, 0.3169, 0.3833 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 90.3267, 0.3169, 0.3833 by changing the saturation by 10% instead.


 90.3267, 0.3169,
0.3833

 90.3267, 0.3169,
0.3833


529.0930, 0.3155,
0.3583

 68.2516, 0.3171,
0.3890


147.7921, 0.3165,
0.3747

 50.1025, 0.3173,
0.3959


183.9513, 0.3163,
0.3713

 35.4948, 0.3175,
0.4047

225.5739, 0.3161,
0.3684

 24.0443, 0.3175,
0.4161

273.0444, 0.3160,
0.3659

 15.3665, 0.3173,
0.4315

326.7471, 0.3158,
0.3636

 9.0770, 0.3165,
0.4533

387.0666, 0.3157,

 4.7914, 0.3141,

0.3617

0.4864

454.3871, 0.3156,
0.3599

■ 2.1254, 0.3117,
0.5503

■ 0.6789, 0.1388,
0.8612

■ 90.3267, 0.3169,
0.3833

■ 90.3267, 0.3169,
0.3833

■ 86.3491, 0.3185,
0.4146

■ 94.8693, 0.3149,
0.3546

■ 82.9234, 0.3196,
0.4479

100.0000, 0.3127,
0.3290

■ 80.0217, 0.3199,
0.4819

■ 77.6171, 0.3192,
0.5148

■ 75.6805, 0.3174,
0.5444

■ 74.1797, 0.3145,
0.5683

■ 73.0776, 0.3108,
0.5850

■ 72.3238, 0.3068,
0.5946

■ 72.3229, 0.3068,
0.5946

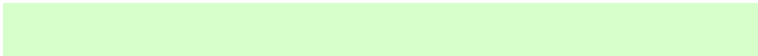
Harmonies

Analogous

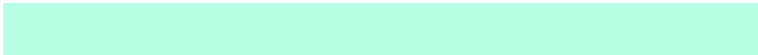
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3267, 0.3492, 0.3885



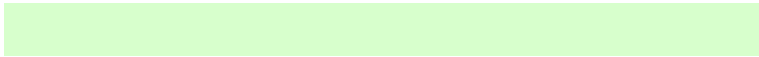
90.3267, 0.3169, 0.3833



90.3267, 0.2847, 0.3608

Triad

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



90.3267, 0.3169, 0.3833



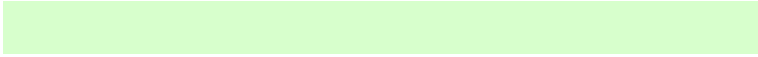
90.3267, 0.2556, 0.2800



90.3267, 0.3672, 0.3254

Complementary

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



90.3267, 0.3169, 0.3833



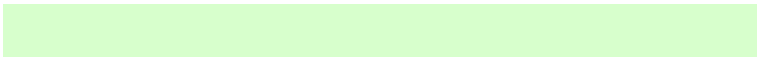
69.6714, 0.3071, 0.2780

Split Complementary

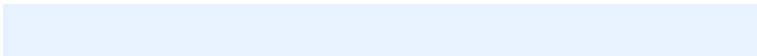
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3267, 0.3396, 0.2998



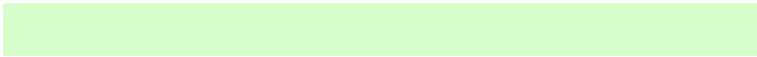
90.3267, 0.3169, 0.3833



90.3267, 0.2752, 0.2741

Square

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



90.3267, 0.3169, 0.3833



90.3267, 0.2504, 0.2994



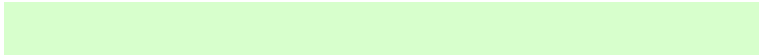
90.3267, 0.3057, 0.2815



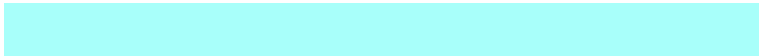
90.3267, 0.3793, 0.3530

Rectangle

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



90.3267, 0.3169, 0.3833



90.3267, 0.2674, 0.3400



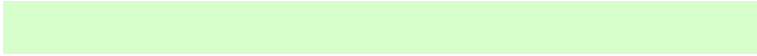
90.3267, 0.3057, 0.2815



90.3267, 0.3593, 0.3164

Sweetspot

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



90.3233, 0.3169, 0.3833



96.8446, 0.3140, 0.3441



90.2981, 0.3450, 0.3687



20.6580, 0.3142, 0.3458



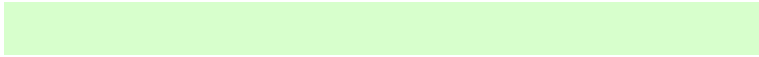
0.0000, 0.0000, 0.0000



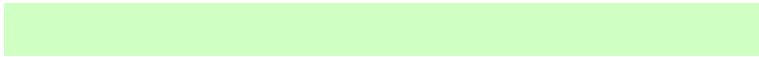
21.4041, 0.3127, 0.3290

Same Dimension

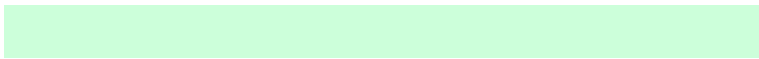
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3233, 0.3169, 0.3833



88.6599, 0.3176, 0.3956



89.4501, 0.3021, 0.3683



20.3558, 0.3148, 0.3533



37.8422, 0.3076, 0.5939



3.7294, 0.3147, 0.5883

Inverse Universe

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



69.6714, 0.3071, 0.2780



64.5706, 0.3057, 0.2672



70.7896, 0.3252, 0.2927



18.0923, 0.3103, 0.3053



10.2804, 0.2670, 0.1245



1.0476, 0.2735, 0.1280

Previews

White Background



This preview shows how the Yxy color 90.3267, 0.3169, 0.3833 looks on a white background.

Color Contrast Check

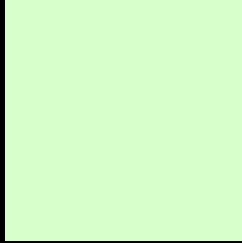
Large Text (above 18pt) WCAG AA × Fail

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 90.3267, 0.3169, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

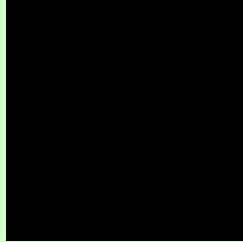
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

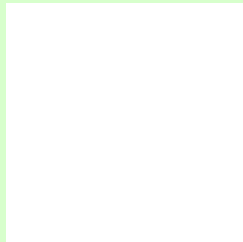
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3267, 0.3169, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 90.3267, 0.3169, 0.3833.

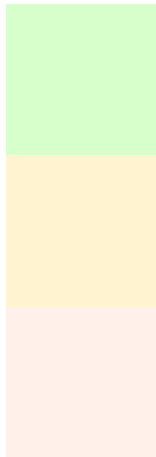


This preview shows how white text looks on a background with the Yxy color 90.3267, 0.3169, 0.3833.

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

90.3267, 0.3169, 0.3833

Protanopia

89.9153, 0.3426, 0.3638

Deuteranopia

90.0538, 0.3270, 0.3369



Tritanopia

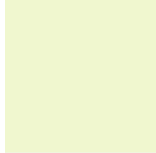
90.0172, 0.2999, 0.3190

Trichromacy



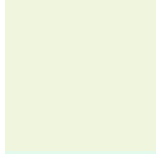
Original Color

90.3267, 0.3169, 0.3833



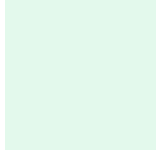
Protanomaly

89.5518, 0.3324, 0.3699



Deuteranomaly

89.7107, 0.3233, 0.3534



Tritanomaly

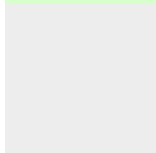
90.1384, 0.3064, 0.3423

Monochromacy



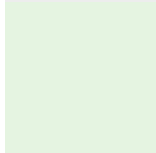
Original Color

90.3267, 0.3169, 0.3833



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7956, 0.3144, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3267, 0.3169, 0.3833 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 90.3267, 0.3169, 0.3833 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, 204) }
```

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

```
.border{ border-color:rgb(215, 255, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3267, 0.3169, 0.3833 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, 204) }
```

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

```
.background{ background-color: rgb(215,  
255, 204) }
```

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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