

Converting Colors

$Yxy(90.1878, 0.3164, 0.3834)$

Have a look what the booklet for
Yxy(90.1878, 0.3164, 0.3834)
contains.

Yxy(90.1758, 0.3163, 0.3834)	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(90.1758, 0.3163, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFCC
RGB	214, 255, 204
RGB Percent	84%, 100%, 80%
CMY	0.1608, 0.0000, 0.1999
CMYK	0.16, 0.00, 0.20, 0.00
HSL	108°, 100%, 90%
HSV	108°, 20%, 100%
XYZ	74.3939, 90.1758, 70.6307
YIQ	236.9270, -8.0650, -24.5530

Conversions

Conversions Part 2

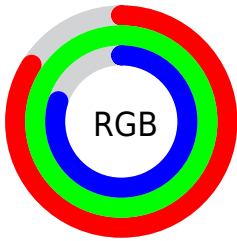
Format	Color
R _Y B	204, 255, 245
Decimal	14090188
CIE Lab	96.07, -22.27, 20.09
CIE LCh	96, 29.994, 137.941
Yxy	90.1758, 0.3163, 0.3834
Android (android.graphics.Color)	4292280268 (0xFFD6FFCC)
YUV	236.9270, -16.2330, -20.1070
Hunter-Lab	94.9609, -26.3420, 22.3736

Details

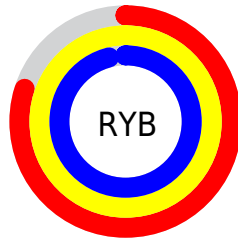
The Yxy color **90.1758, 0.3163, 0.3834** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.8392, 0.3078, 0.2781**, and the grayscale version is **84.7637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9611, 0.3166, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **86.1578, 0.3176, 0.4149**, and if you desaturate by 10%, it is **94.7866, 0.3146, 0.3547**.

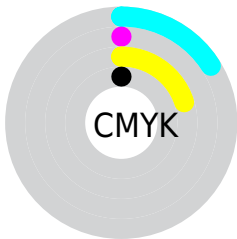
Distribution



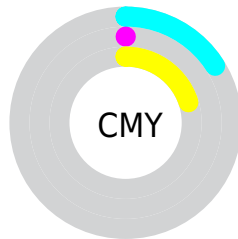
- Red (84%)
- Green (100%)
- Blue (80%)



- 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 90.1758, 0.3163, 0.3834 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 90.1758, 0.3163, 0.3834 by changing the saturation by 10% instead.

 90.1758, 0.3163,
0.3834

 90.1758, 0.3163,
0.3834


528.6026, 0.3151,
0.3584

 68.1265, 0.3164,
0.3891


147.5826, 0.3160,
0.3747

 50.0006, 0.3166,
0.3961


183.7088, 0.3158,
0.3714

 35.4139, 0.3166,
0.4049


225.2961, 0.3157,
0.3685

 23.9819, 0.3166,
0.4164

272.7288, 0.3156,
0.3659

 15.3202, 0.3162,
0.4318

326.3915, 0.3155,
0.3637

 9.0444, 0.3152,
0.4537

386.6684, 0.3153,

 4.7702, 0.3125,

0.3617

0.4871

453.9439, 0.3152,
0.3599

■ 2.1130, 0.3095,
0.5516

■ 0.6719, 0.1239,
0.8761

■ 90.1758, 0.3163,
0.3834

■ 90.1758, 0.3163,
0.3834

■ 86.1578, 0.3176,
0.4149

■ 94.7866, 0.3146,
0.3547

■ 82.7028, 0.3184,
0.4483

100.0000, 0.3127,
0.3290

■ 79.7868, 0.3185,
0.4826

■ 77.3818, 0.3177,
0.5157

■ 75.4576, 0.3158,
0.5454

■ 73.9799, 0.3130,
0.5694

■ 72.9102, 0.3095,
0.5861

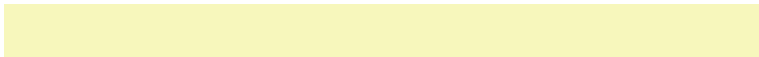
■ 72.1958, 0.3057,
0.5954

■ 72.1951, 0.3057,
0.5954

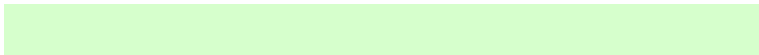
Harmonies

Analogous

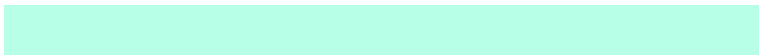
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1758, 0.3489, 0.3889



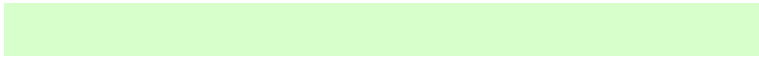
90.1758, 0.3163, 0.3834



90.1758, 0.2839, 0.3605

Triad

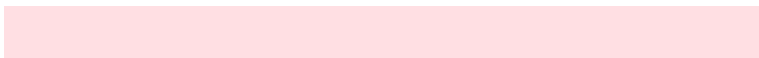
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1758, 0.3163, 0.3834



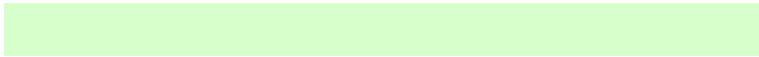
90.1758, 0.2555, 0.2795



90.1758, 0.3679, 0.3258

Complementary

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



90.1758, 0.3163, 0.3834



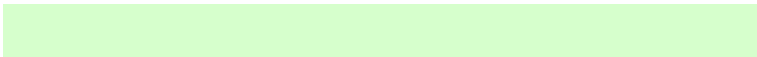
69.8392, 0.3078, 0.2781

Split Complementary

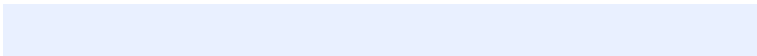
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1758, 0.3404, 0.3001



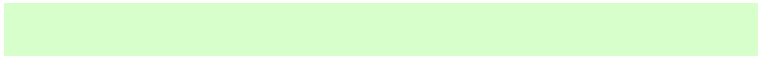
90.1758, 0.3163, 0.3834



90.1758, 0.2755, 0.2738

Square

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



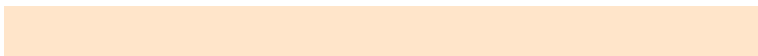
90.1758, 0.3163, 0.3834



90.1758, 0.2500, 0.2988



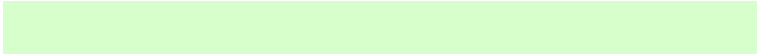
90.1758, 0.3062, 0.2814



90.1758, 0.3798, 0.3536

Rectangle

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



90.1758, 0.3163, 0.3834



90.1758, 0.2667, 0.3394



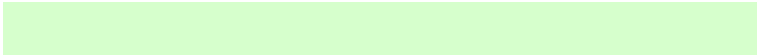
90.1758, 0.3062, 0.2814



90.1758, 0.3601, 0.3167

Sweetspot

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



90.1777, 0.3163, 0.3834



96.7935, 0.3139, 0.3441



90.8090, 0.3448, 0.3695



20.6460, 0.3140, 0.3458



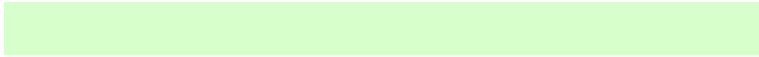
0.0000, 0.0000, 0.0000



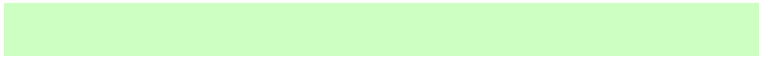
21.4041, 0.3127, 0.3290

Same Dimension

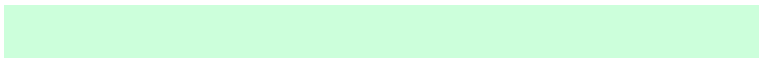
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1777, 0.3163, 0.3834



88.4952, 0.3169, 0.3957



89.4935, 0.3017, 0.3673



20.3391, 0.3145, 0.3534



37.7717, 0.3065, 0.5948



3.7203, 0.3133, 0.5894

Inverse Universe

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



69.8392, 0.3078, 0.2781



64.7744, 0.3066, 0.2674



70.7353, 0.3258, 0.2935



18.1103, 0.3106, 0.3054



10.6269, 0.2717, 0.1271



1.0784, 0.2776, 0.1303

Previews

White Background



This preview shows how the Yxy color 90.1758, 0.3163, 0.3834 looks on a white background.

Color Contrast Check

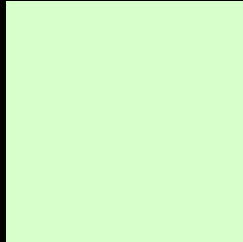
Large Text (above 18pt) WCAG AA × Fail

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 90.1758, 0.3163, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

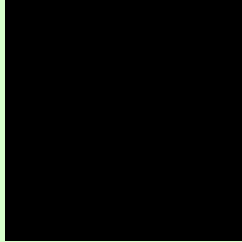
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

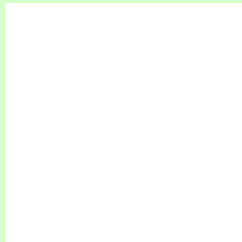
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1758, 0.3163, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 90.1758, 0.3163, 0.3834.

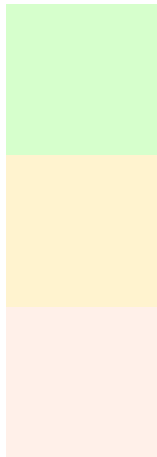


This preview shows how white text looks on a background with the Yxy color 90.1758, 0.3163, 0.3834.

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

90.1758, 0.3163, 0.3834

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

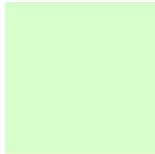
89.4634, 0.3271, 0.3359



Tritanopia

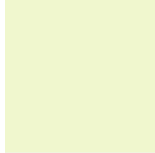
90.0172, 0.2999, 0.3190

Trichromacy



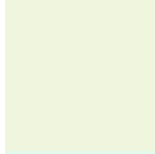
Original Color

90.1758, 0.3163, 0.3834



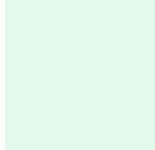
Protanomaly

89.5030, 0.3330, 0.3710



Deuteranomaly

89.1040, 0.3234, 0.3524



Tritanomaly

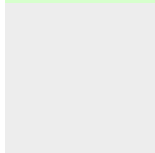
90.1384, 0.3064, 0.3423

Monochromacy



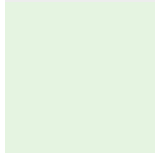
Original Color

90.1758, 0.3163, 0.3834



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 90.1758, 0.3163, 0.3834 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(214, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 90.1758, 0.3163, 0.3834 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(214, 255, 204) }
```

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

```
.border{ border-color:rgb(214, 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(214, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1758, 0.3163, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 204) }
```

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

```
.background{ background-color: rgb(214,  
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](#).

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