

Converting Colors

$Yxy(90.5232, 0.3178, 0.3832)$

Have a look what the booklet for
Yxy(90.5232, 0.3178, 0.3832)
contains.

Yxy(90.4786, 0.3176, 0.3832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.4786, 0.3176, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFCC
RGB	216, 255, 204
RGB Percent	85%, 100%, 80%
CMY	0.1527, 0.0000, 0.2000
CMYK	0.15, 0.00, 0.20, 0.00
HSL	106°, 100%, 90%
HSV	106°, 20%, 100%
XYZ	74.9896, 90.4786, 70.6451
YIQ	237.5250, -6.8730, -24.1290

Conversions

Conversions Part 2

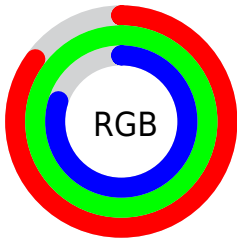
Format	Color
R_{YB}	204, 255, 243
Decimal	14221260
CIE _{Lab}	96.19, -21.58, 20.30
CIE _{LCh}	96, 29.627, 136.758
Yxy	90.4786, 0.3176, 0.3832
Android (android.graphics.Color)	4292411340 (0xFFD8FFCC)
YUV	237.5250, -16.5278, -18.8774
Hunter-Lab	95.1202, -25.7371, 22.5499

Details

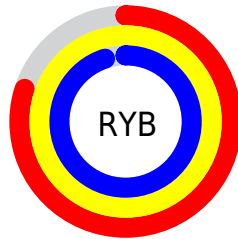
The Yxy color **90.4786, 0.3176, 0.3832** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.4583, 0.3063, 0.2778**, and the grayscale version is **85.2571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1672, 0.3182, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **86.5632, 0.3196, 0.4144**, and if you desaturate by 10%, it is **94.9538, 0.3153, 0.3546**.

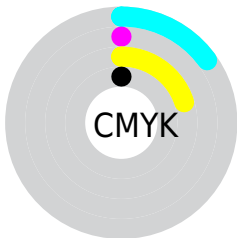
Distribution



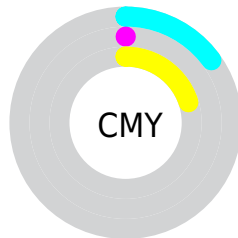
- Red (85%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4786, 0.3176, 0.3832 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 90.4786, 0.3176, 0.3832 by changing the saturation by 10% instead.


 90.4786, 0.3176,
0.3832

 90.4786, 0.3176,
0.3832


529.5865, 0.3159,
0.3583

 68.3777, 0.3179,
0.3888

148.0030, 0.3171,
0.3746

 50.2050, 0.3182,
0.3958


184.1953, 0.3169,
0.3712

 35.5763, 0.3184,
0.4045


225.8534, 0.3167,
0.3683

 24.1072, 0.3186,
0.4159

273.3619, 0.3165,
0.3658

 15.4131, 0.3186,
0.4312

327.1050, 0.3163,
0.3636

 9.1099, 0.3181,
0.4529

387.4672, 0.3161,

 4.8129, 0.3160,

0.3616

0.4857

454.8329, 0.3160,
0.3599

■ 2.1379, 0.3142,
0.5489

■ 0.6858, 0.1542,
0.8458

■ 90.4786, 0.3176,
0.3832

■ 90.4786, 0.3176,
0.3832

■ 86.5632, 0.3196,
0.4144

■ 94.9538, 0.3153,
0.3546

■ 83.1740, 0.3210,
0.4474

99.9958, 0.3127,
0.3290

■ 80.2914, 0.3215,
0.4812

■ 77.8901, 0.3210,
0.5138

■ 75.9424, 0.3193,
0.5431

■ 74.4175, 0.3164,
0.5670

■ 73.2806, 0.3125,
0.5838

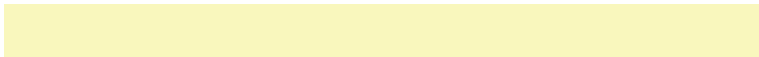
■ 72.4833, 0.3082,
0.5935

■ 72.4828, 0.3082,
0.5935

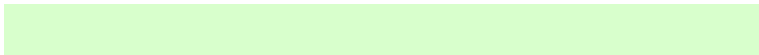
Harmonies

Analogous

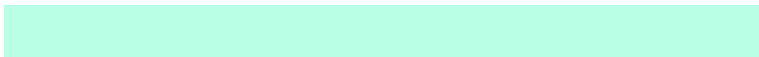
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4786, 0.3495, 0.3880



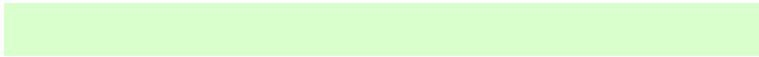
90.4786, 0.3176, 0.3832



90.4786, 0.2855, 0.3612

Triad

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



90.4786, 0.3176, 0.3832



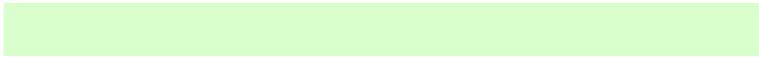
90.4786, 0.2557, 0.2807



90.4786, 0.3663, 0.3248

Complementary

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



90.4786, 0.3176, 0.3832



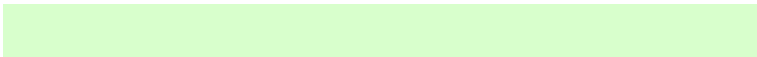
69.4583, 0.3063, 0.2778

Split Complementary

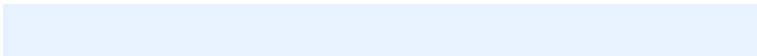
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4786, 0.3387, 0.2995



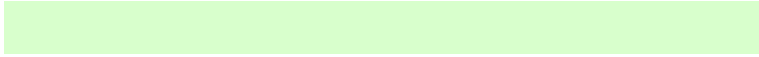
90.4786, 0.3176, 0.3832



90.4786, 0.2750, 0.2745

Square

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



90.4786, 0.3176, 0.3832



90.4786, 0.2509, 0.3002



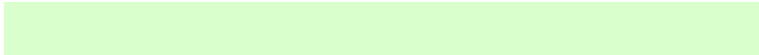
90.4786, 0.3050, 0.2815



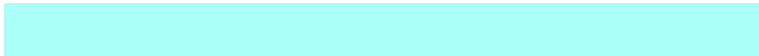
90.4786, 0.3788, 0.3523

Rectangle

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



90.4786, 0.3176, 0.3832



90.4786, 0.2682, 0.3406



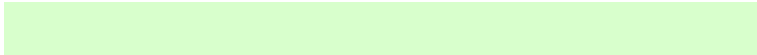
90.4786, 0.3050, 0.2815



90.4786, 0.3584, 0.3159

Sweetspot

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



90.4825, 0.3176, 0.3832



96.9038, 0.3143, 0.3440



89.2711, 0.3453, 0.3671



20.6720, 0.3144, 0.3457



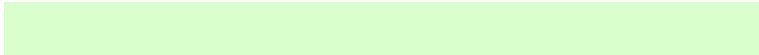
0.0000, 0.0000, 0.0000



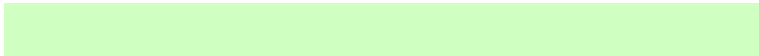
21.4041, 0.3127, 0.3290

Same Dimension

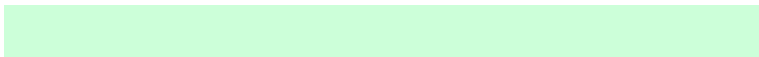
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4825, 0.3176, 0.3832



88.8521, 0.3184, 0.3954



89.3521, 0.3031, 0.3702



20.3751, 0.3151, 0.3533



37.9321, 0.3090, 0.5928



3.7406, 0.3165, 0.5869

Inverse Universe

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



69.4583, 0.3063, 0.2778



64.3364, 0.3048, 0.2671



70.8762, 0.3240, 0.2911



18.0716, 0.3100, 0.3053



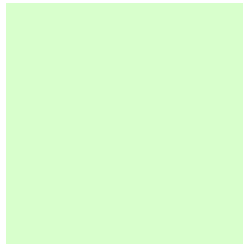
9.8924, 0.2617, 0.1215



1.0128, 0.2687, 0.1254

Previews

White Background



This preview shows how the Yxy color 90.4786, 0.3176, 0.3832 looks on a white background.

Color Contrast Check

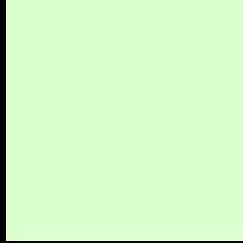
Large Text (above 18pt) WCAG AA × Fail

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 90.4786, 0.3176, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

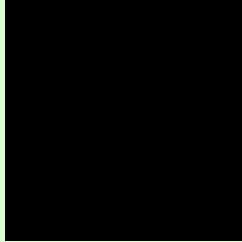
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

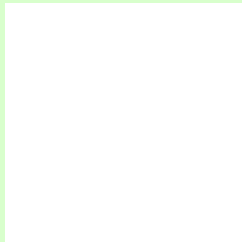
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4786, 0.3176, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 90.4786, 0.3176, 0.3832.

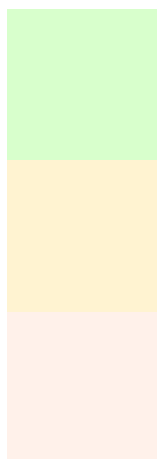


This preview shows how white text looks on a background with the Yxy color 90.4786, 0.3176, 0.3832.

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

90.4786, 0.3176, 0.3832

Protanopia

89.9646, 0.3420, 0.3628

Deuteranopia

90.1111, 0.3263, 0.3359



Tritanopia

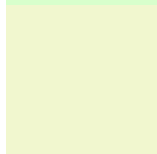
90.1870, 0.3006, 0.3190

Trichromacy



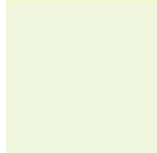
Original Color

90.4786, 0.3176, 0.3832



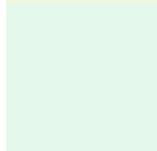
Protanomaly

89.7273, 0.3330, 0.3698



Deuteranomaly

89.9400, 0.3233, 0.3523



Tritanomaly

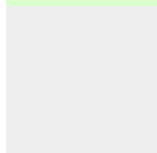
90.3015, 0.3071, 0.3423

Monochromacy



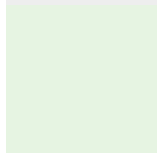
Original Color

90.4786, 0.3176, 0.3832



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0153, 0.3144, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4786, 0.3176, 0.3832 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(216, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 90.4786, 0.3176, 0.3832 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(216, 255, 204) }
```

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

```
.border{ border-color:rgb(216, 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(216, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4786, 0.3176, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 204) }
```

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

```
.background{ background-color: rgb(216,  
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