

Converting Colors

$Y_{xy}(143.7568, 0.3147, 0.4583)$

Have a look what the booklet for
Yxy(143.7568, 0.3147, 0.4583)
contains.

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Color

Yxy(88.6476, 0.3204, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	D0FFBE
RGB	208, 255, 190
RGB Percent	82%, 100%, 75%
CMY	0.1844, 0.0000, 0.2549
CMYK	0.18, 0.00, 0.25, 0.00
HSL	103°, 100%, 87%
HSV	103°, 25%, 100%
XYZ	71.0600, 88.6476, 62.0777
YIQ	233.5370, -7.1470, -30.1790

Conversions

Conversions Part 2

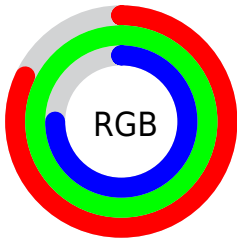
Format	Color
RYB	190, 255, 237
Decimal	13696958
CIELab	95.43, -26.51, 26.29
CIELCh	95, 37.335, 135.247
Yxy	88.6476, 0.3204, 0.3997
Android (android.graphics.Color)	4291887038 (0xFFD0FFBE)
YUV	233.5370, -21.4637, -22.3959
Hunter-Lab	94.1529, -30.0481, 26.8154

Details

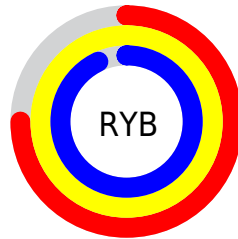
The Yxy color **88.6476, 0.3204, 0.3997** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.0547, 0.3022, 0.2626**, and the grayscale version is **82.0726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **48.9380, 0.3216, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **85.1041, 0.3227, 0.4317**, and if you desaturate by 10%, it is **92.6887, 0.3176, 0.3699**.

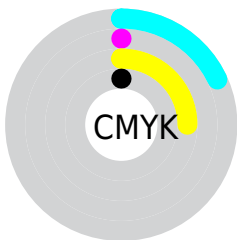
Distribution



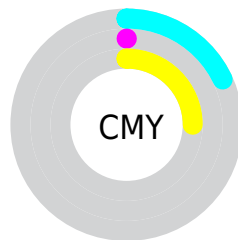
- Red (82%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (93%)



- Cyan (18%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6476, 0.3204, 0.3997 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 88.6476, 0.3204, 0.3997 by changing the saturation by 10% instead.


 88.6476, 0.3204,
0.3997

 88.6476, 0.3204,
0.3997


523.6217, 0.3177,
0.3669

 66.8595, 0.3208,
0.4072


 145.4584, 0.3196,
0.3883

 48.9705, 0.3212,
0.4165


181.2499, 0.3193,
0.3839

 34.5961, 0.3215,
0.4282


222.4781, 0.3190,
0.3800

 23.3519, 0.3217,
0.4434

269.5272, 0.3187,
0.3767

 14.8536, 0.3213,
0.4640

322.7817, 0.3184,
0.3738

 8.7167, 0.3199,
0.4931

382.6261, 0.3182,

 4.5568, 0.3152,

0.3712

0.5371

449.4446, 0.3179,
0.3689

1.9897, 0.3284,
0.6641

0.6015, 0.0000,
1.0000

88.6476, 0.3204,
0.3997

88.6476, 0.3204,
0.3997

85.1041, 0.3227,
0.4317

92.6887, 0.3176,
0.3699

82.0502, 0.3242,
0.4648

97.2597, 0.3145,
0.3427

79.4593, 0.3246,
0.4976

100.0000, 0.3127,
0.3290

77.3073, 0.3238,
0.5283

■ 75.5676, 0.3215,
0.5545

■ 74.2102, 0.3178,
0.5745

■ 73.2002, 0.3132,
0.5873

■ 72.8411, 0.3111,
0.5912

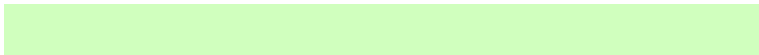
Harmonies

Analogous

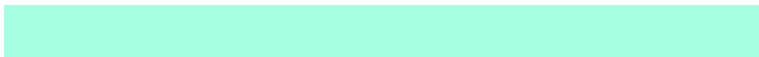
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6476, 0.3606, 0.4036



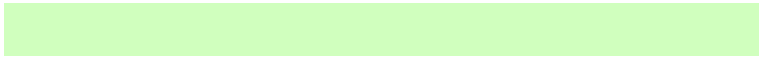
88.6476, 0.3204, 0.3997



88.6476, 0.2798, 0.3722

Triad

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



88.6476, 0.3204, 0.3997



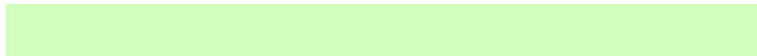
88.6476, 0.2406, 0.2688



88.6476, 0.3795, 0.3214

Complementary

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



88.6476, 0.3204, 0.3997



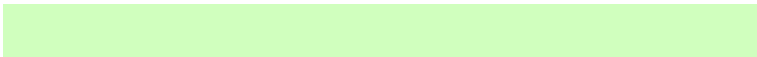
62.0547, 0.3022, 0.2626

Split Complementary

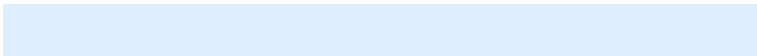
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6476, 0.3434, 0.2907



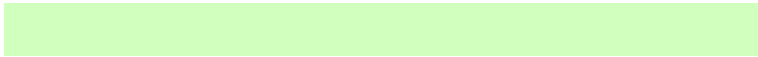
88.6476, 0.3204, 0.3997



88.6476, 0.2635, 0.2609

Square

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



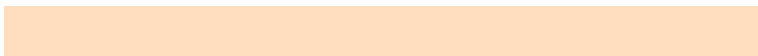
88.6476, 0.3204, 0.3997



88.6476, 0.2356, 0.2935



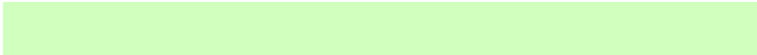
88.6476, 0.3005, 0.2691



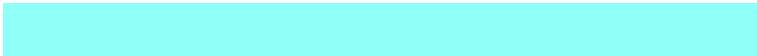
88.6476, 0.3965, 0.3555

Rectangle

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



88.6476, 0.3204, 0.3997



88.6476, 0.2579, 0.3455



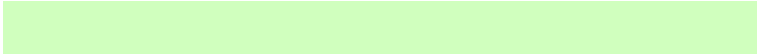
88.6476, 0.3005, 0.2691



88.6476, 0.3691, 0.3105

Sweetspot

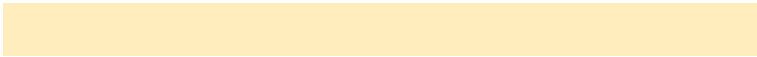
The Sweet Spot groups the original color and five complimentary colors.



88.6433, 0.3204, 0.3997



96.0625, 0.3153, 0.3493



85.3045, 0.3556, 0.3759



20.4111, 0.3157, 0.3533



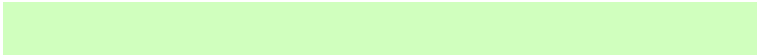
0.0000, 0.0000, 0.0000



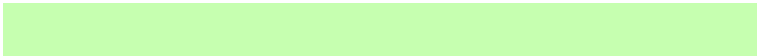
21.4041, 0.3127, 0.3290

Same Dimension

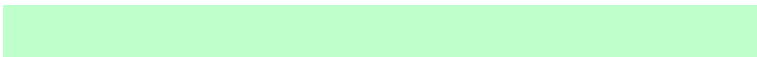
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6433, 0.3204, 0.3997



86.6323, 0.3217, 0.4171



86.8303, 0.3017, 0.3858



20.4111, 0.3157, 0.3533



38.1244, 0.3120, 0.5904



3.7637, 0.3200, 0.5841

Inverse Universe

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



62.0547, 0.3022, 0.2626



55.5986, 0.2993, 0.2475



64.4316, 0.3261, 0.2783



18.0331, 0.3093, 0.3053



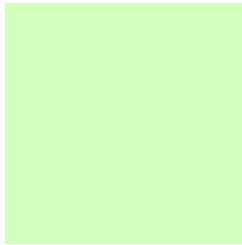
9.2073, 0.2517, 0.1160



0.9510, 0.2599, 0.1205

Previews

White Background



This preview shows how the Yxy color 88.6476, 0.3204, 0.3997 looks on a white background.

Color Contrast Check

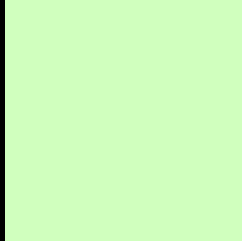
Large Text (above 18pt) WCAG AA × Fail

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 88.6476, 0.3204, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

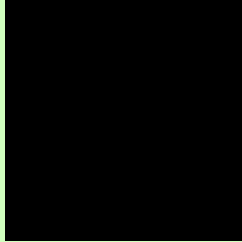
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

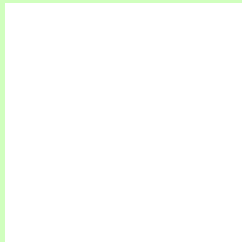
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6476, 0.3204, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 88.6476, 0.3204, 0.3997.

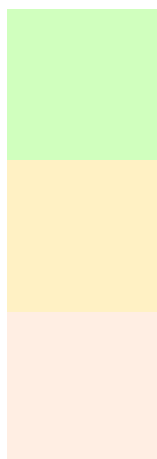


This preview shows how white text looks on a background with the Yxy color 88.6476, 0.3204, 0.3997.

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

88.6476, 0.3204, 0.3997

Protanopia

88.1561, 0.3507, 0.3740

Deuteranopia

87.9551, 0.3311, 0.3399



Tritanopia

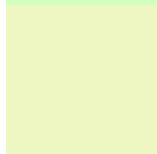
88.5794, 0.2968, 0.3179

Trichromacy



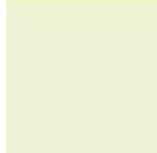
Original Color

88.6476, 0.3204, 0.3997



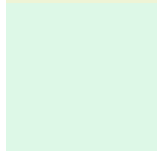
Protanomaly

87.9837, 0.3391, 0.3828



Deuteranomaly

87.7335, 0.3271, 0.3598



Tritanomaly

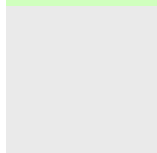
88.2765, 0.3056, 0.3467

Monochromacy



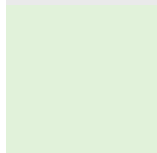
Original Color

88.6476, 0.3204, 0.3997



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5738, 0.3161, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6476, 0.3204, 0.3997 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(208, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 190)  
}
```

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(208, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 88.6476, 0.3204, 0.3997 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(208, 255, 190) }
```

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

```
.border{ border-color:rgb(208, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6476, 0.3204, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 190) }
```

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

```
.background{ background-color: rgb(208,  
255, 190) }
```

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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