

Converting Colors

Yxy(90.4664, 0.3253, 0.4222)

Have a look what the booklet for
Yxy(90.4664, 0.3253, 0.4222)
contains.

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Color

Yxy(87.3117, 0.3256, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFAF
RGB	203, 255, 175
RGB Percent	80%, 100%, 69%
CMY	0.2036, 0.0000, 0.3137
CMYK	0.20, 0.00, 0.31, 0.00
HSL	99°, 100%, 84%
HSV	99°, 31%, 100%
XYZ	68.1416, 87.3117, 53.8269
YIQ	230.3320, -5.3120, -35.9040

Conversions

Conversions Part 2

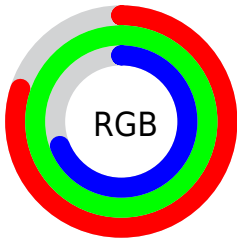
Format	Color
RYB	175, 255, 227
Decimal	13369263
CIELab	94.87, -30.39, 33.02
CIElCh	95, 44.871, 132.627
Yxy	87.3117, 0.3256, 0.4172
Android (android.graphics.Color)	4291559343 (0xFFCBBFAF)
YUV	230.3320, -27.2787, -23.9702
Hunter-Lab	93.4407, -33.3502, 31.2543

Details

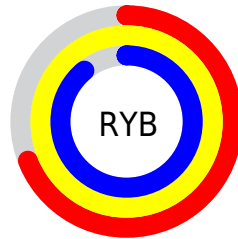
The Yxy color $87.3117, 0.3256, 0.4172$ is a light color, and the websafe version is hex $CCFF99$. A complement of this color would be $54.2071, 0.2945, 0.2454$, and the grayscale version is $79.6106, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.5495, 0.3268, 0.3522$, and $48.0892, 0.3271, 0.4379$ is the 20% darker color. If you saturate the color by 10%, you get $84.2036, 0.3286, 0.4492$, and if you desaturate by 10%, it is $90.8648, 0.3219, 0.3866$.

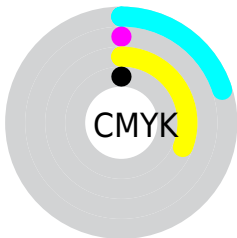
Distribution



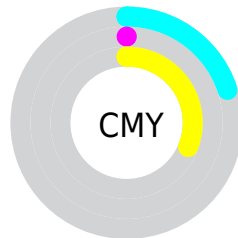
- Red (80%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3117, 0.3256, 0.4172 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 87.3117, 0.3256, 0.4172 by changing the saturation by 10% instead.


 87.3117, 0.3256,
0.4172

 87.3117, 0.3256,
0.4172

519.2466, 0.3210,
0.3759

 65.7532, 0.3263,
0.4267

 143.5985, 0.3243,
0.4028

 48.0721, 0.3270,
0.4383


179.0956, 0.3237,
0.3973

 33.8840, 0.3276,
0.4531

220.0077, 0.3231,
0.3925

 22.8045, 0.3278,
0.4723

266.7191, 0.3226,
0.3883

 14.4492, 0.3273,
0.4981

319.6143, 0.3222,
0.3846

 8.4337, 0.3246,
0.5343

379.0777, 0.3217,

 4.3737, 0.3175,

0.3814

0.5895

445.4937, 0.3214,
0.3785

1.8847, 0.3039,
0.6961

0.5392, 0.0000,
1.0000

87.3117, 0.3256,
0.4172

87.3117, 0.3256,
0.4172

84.2036, 0.3286,
0.4492

90.8648, 0.3219,
0.3866

81.5107, 0.3305,
0.4814

94.8687, 0.3177,
0.3582

79.2169, 0.3310,
0.5121

99.3436, 0.3133,
0.3323

77.3004, 0.3298,
0.5395

99.9933, 0.3127,
0.3290

■ 75.7371, 0.3268,
0.5617

■ 74.4990, 0.3223,
0.5774

■ 73.6591, 0.3176,
0.5860

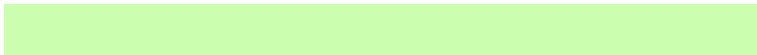
Harmonies

Analogous

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



87.3117, 0.3734, 0.4181



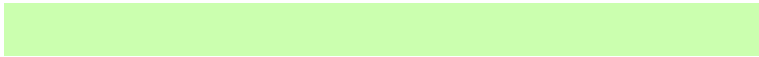
87.3117, 0.3256, 0.4172



87.3117, 0.2766, 0.3857

Triad

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



87.3117, 0.3256, 0.4172



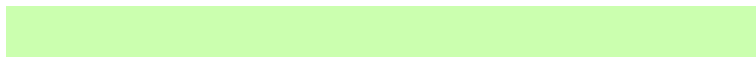
87.3117, 0.2255, 0.2584



87.3117, 0.3905, 0.3158

Complementary

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



87.3117, 0.3256, 0.4172



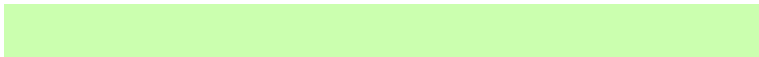
54.2071, 0.2945, 0.2454

Split Complementary

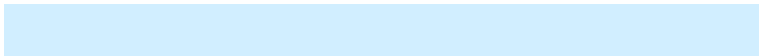
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3117, 0.3450, 0.2806



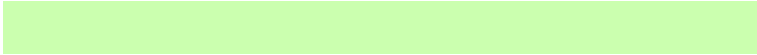
87.3117, 0.3256, 0.4172



87.3117, 0.2506, 0.2480

Square

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



87.3117, 0.3256, 0.4172



87.3117, 0.2215, 0.2889



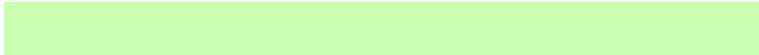
87.3117, 0.2932, 0.2564



87.3117, 0.4134, 0.3560

Rectangle

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



87.3117, 0.3256, 0.4172



87.3117, 0.2498, 0.3531



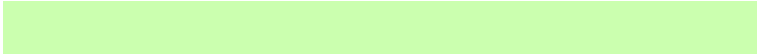
87.3117, 0.2932, 0.2564



87.3117, 0.3772, 0.3032

Sweetspot

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



87.3155, 0.3256, 0.4172



95.8918, 0.3167, 0.3519



78.5655, 0.3687, 0.3807



20.3904, 0.3173, 0.3557



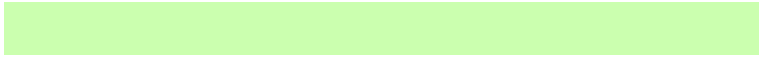
0.0000, 0.0000, 0.0000



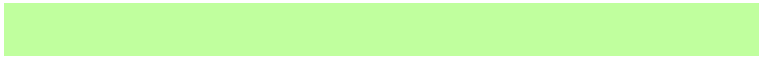
21.4041, 0.3127, 0.3290

Same Dimension

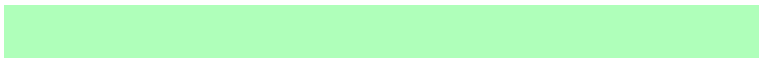
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3155, 0.3256, 0.4172



85.2102, 0.3277, 0.4383



84.1610, 0.3028, 0.4092



20.4780, 0.3169, 0.3532



38.5670, 0.3187, 0.5851



3.8134, 0.3273, 0.5783

Inverse Universe

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



54.2071, 0.2945, 0.2454



47.0816, 0.2894, 0.2267



58.4765, 0.3246, 0.2602



17.9629, 0.3081, 0.3052



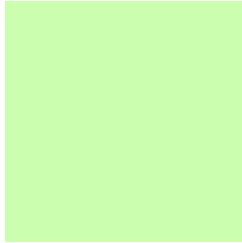
8.0700, 0.2341, 0.1063



0.8468, 0.2440, 0.1118

Previews

White Background



This preview shows how the Yxy color 87.3117, 0.3256, 0.4172 looks on a white background.

Color Contrast Check

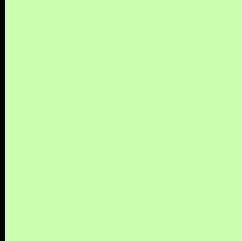
Large Text (above 18pt) WCAG AA × Fail

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 87.3117, 0.3256, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

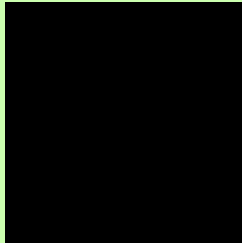
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

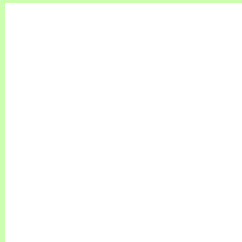
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3117, 0.3256, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 87.3117, 0.3256, 0.4172.

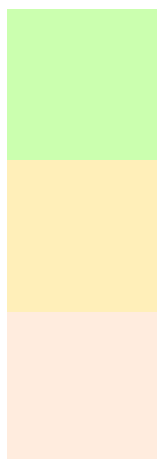


This preview shows how white text looks on a background with the Yxy color 87.3117, 0.3256, 0.4172.

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

87.3117, 0.3256, 0.4172

Protanopia

86.4958, 0.3583, 0.3832

Deuteranopia

86.5248, 0.3346, 0.3429



Tritanopia

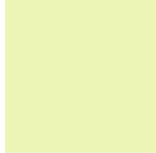
86.7318, 0.2944, 0.3158

Trichromacy



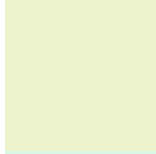
Original Color

87.3117, 0.3256, 0.4172



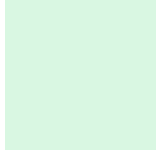
Protanomaly

86.4739, 0.3460, 0.3958



Deuteranomaly

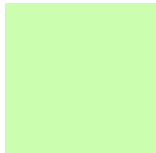
86.3418, 0.3314, 0.3685



Tritanomaly

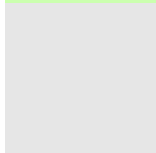
86.7642, 0.3060, 0.3512

Monochromacy



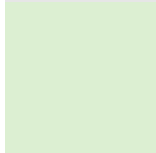
Original Color

87.3117, 0.3256, 0.4172



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6018, 0.3179, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3117, 0.3256, 0.4172 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(203, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 175)  
}
```

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(203, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 87.3117, 0.3256, 0.4172 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(203, 255, 175) }
```

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

```
.border{ border-color:rgb(203, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3117, 0.3256, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 175) }
```

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

```
.background{ background-color: rgb(203,  
255, 175) }
```

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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