

Converting Colors

$Yxy(86.1283, 0.3257, 0.3813)$

Have a look what the booklet for
Yxy(86.1283, 0.3257, 0.3813)
contains.

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Color

Yxy(86.1283, 0.3257, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	DEF7C6
RGB	222, 247, 198
RGB Percent	87%, 97%, 78%
CMY	0.1296, 0.0313, 0.2235
CMYK	0.10, 0.00, 0.20, 0.03
HSL	91°, 75%, 87%
HSV	91°, 20%, 97%
XYZ	73.5693, 86.1283, 66.1830
YIQ	233.9390, 0.8290, -20.5390

Conversions

Conversions Part 2

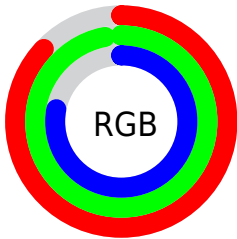
Format	Color
RYB	198, 247, 223
Decimal	14612422
CIELab	94.37, -16.64, 20.87
CIELCh	94, 26.692, 128.564
Yxy	86.1283, 0.3257, 0.3813
Android (android.graphics.Color)	4292802502 (0xFFDEF7C6)
YUV	233.9390, -17.7179, -10.4705
Hunter-Lab	92.8053, -20.9075, 22.6818

Details

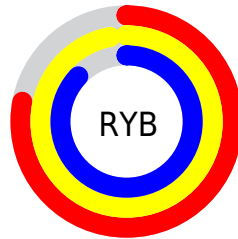
The Yxy color **86.1283, 0.3257, 0.3813** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.8136, 0.2973, 0.2769**, and the grayscale version is **82.3648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4907, 0.3285, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **83.1631, 0.3318, 0.4105**, and if you desaturate by 10%, it is **89.4364, 0.3192, 0.3539**.

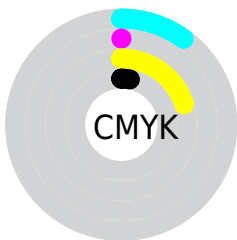
Distribution



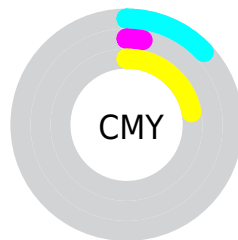
- Red (87%)
- Green (97%)
- Blue (78%)



- Red (78%)
- Yellow (97%)
- Blue (87%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (3%)





- Cyan (13%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1283, 0.3257, 0.3813 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 86.1283, 0.3257, 0.3813 by changing the saturation by 10% instead.

 86.1283, 0.3257,
0.3813

 86.1283, 0.3257,
0.3813


515.3542, 0.3202,
0.3572

 64.7741, 0.3268,
0.3868


141.9485, 0.3239,
0.3729

 47.2779, 0.3281,
0.3935


177.1833, 0.3232,
0.3697

 33.2554, 0.3297,
0.4021


217.8137, 0.3225,
0.3669

 22.3222, 0.3315,
0.4131

264.2242, 0.3220,
0.3644

 14.0938, 0.3337,
0.4281

316.7990, 0.3215,
0.3623

 8.1859, 0.3362,
0.4493

375.9227, 0.3210,

 4.2142, 0.3385,

0.3604

441.9796, 0.3206,
0.3587

0.4815

1.7941, 0.3543,
0.5605

0.4835, 0.0993,
0.9007

86.1283, 0.3257,
0.3813

86.1283, 0.3257,
0.3813

83.1631, 0.3318,
0.4105

89.4364, 0.3192,
0.3539

80.5173, 0.3372,
0.4407

93.0876, 0.3126,
0.3286

78.1815, 0.3414,
0.4710

95.0113, 0.3131,
0.3214

76.1415, 0.3440,
0.4998

■ 74.3818, 0.3447,
0.5256

■ 72.8850, 0.3431,
0.5469

■ 71.6309, 0.3393,
0.5627

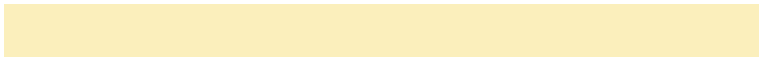
■ 70.5889, 0.3339,
0.5730

■ 70.5731, 0.3338,
0.5731

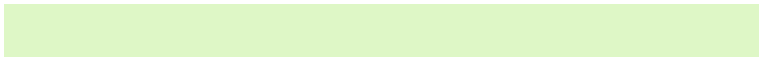
Harmonies

Analogous

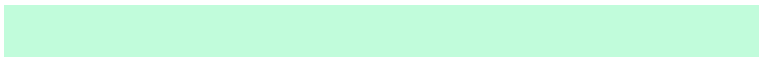
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1283, 0.3534, 0.3813



86.1283, 0.3257, 0.3813



86.1283, 0.2954, 0.3651

Triad

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



86.1283, 0.3257, 0.3813



86.1283, 0.2577, 0.2885



86.1283, 0.3560, 0.3185

Complementary

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



86.1283, 0.3257, 0.3813



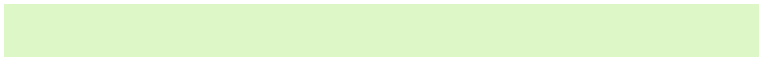
62.8136, 0.2973, 0.2769

Split Complementary

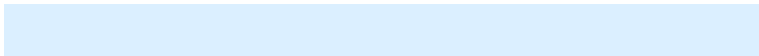
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1283, 0.3284, 0.2965



86.1283, 0.3257, 0.3813



86.1283, 0.2720, 0.2792

Square

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



86.1283, 0.3257, 0.3813



86.1283, 0.2571, 0.3095



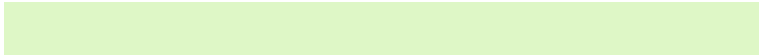
86.1283, 0.2975, 0.2824



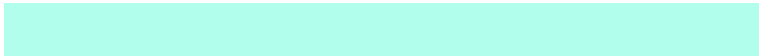
86.1283, 0.3717, 0.3438

Rectangle

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



86.1283, 0.3257, 0.3813



86.1283, 0.2779, 0.3476



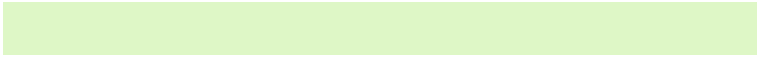
86.1283, 0.2975, 0.2824



86.1283, 0.3477, 0.3106

Sweetspot

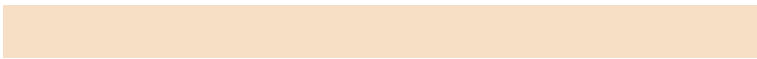
The Sweet Spot groups the original color and five complimentary colors.



86.1320, 0.3257, 0.3813



97.5994, 0.3167, 0.3439



76.3729, 0.3473, 0.3545



20.8361, 0.3171, 0.3456



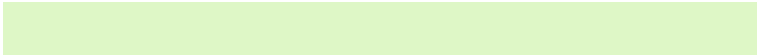
0.0000, 0.0000, 0.0000



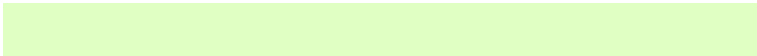
21.4041, 0.3127, 0.3290

Same Dimension

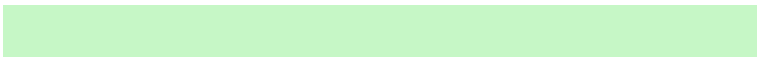
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1320, 0.3257, 0.3813



91.2053, 0.3283, 0.3934



82.6177, 0.3101, 0.3838



18.8694, 0.3190, 0.3529



37.4023, 0.3350, 0.5722



3.3483, 0.3445, 0.5646

Inverse Universe

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



62.8136, 0.2973, 0.2769



61.7384, 0.2934, 0.2649



66.8902, 0.3150, 0.2797



16.3434, 0.3060, 0.3051



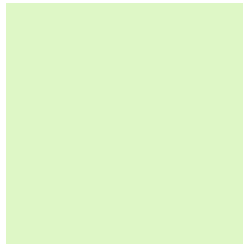
5.9956, 0.2045, 0.0900



0.5881, 0.2179, 0.0974

Previews

White Background



This preview shows how the Yxy color 86.1283, 0.3257, 0.3813 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 86.1283, 0.3257, 0.3813 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

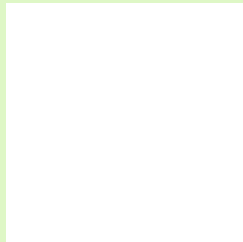
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1283, 0.3257, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 86.1283, 0.3257, 0.3813.

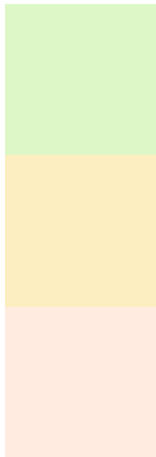


This preview shows how white text looks on a background with the Yxy color 86.1283, 0.3257, 0.3813.

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

86.1283, 0.3257, 0.3813

Protanopia

85.9268, 0.3512, 0.3734

Deuteranopia

86.0044, 0.3341, 0.3410



Tritanopia

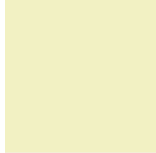
86.1088, 0.2987, 0.3129

Trichromacy



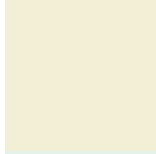
Original Color

86.1283, 0.3257, 0.3813



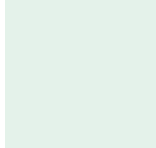
Protanomaly

85.7280, 0.3422, 0.3765



Deuteranomaly

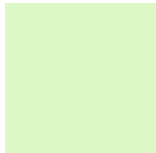
85.6427, 0.3311, 0.3546



Tritanomaly

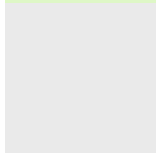
85.9388, 0.3084, 0.3372

Monochromacy



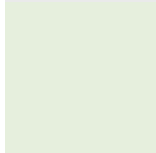
Original Color

86.1283, 0.3257, 0.3813



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.7765, 0.3178, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1283, 0.3257, 0.3813 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(222, 247, 198)` looks like.

```
.text, #text, p{  
    color:rgb(222, 247, 198)  
}
```

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(222, 247, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 247, 198) }
```

Border

The CSS property to change the border of an element to Yxy 86.1283, 0.3257, 0.3813 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(222, 247, 198) }
```

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

```
.border{ border-color:rgb(222, 247, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 247, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 247, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 247, 198);  
box-shadow:4px 4px 4px 4px rgb(222, 247,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1283, 0.3257, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 247, 198) }
```

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

```
.background{ background-color: rgb(222,  
247, 198) }
```

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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