

Converting Colors

Yxy(81.6771, 0.3249, 0.4005)

Have a look what the booklet for
Yxy(81.6771, 0.3249, 0.4005)
contains.

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Color

Yxy(81.6201, 0.3247, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	CDF5B5
RGB	205, 245, 181
RGB Percent	80%, 96%, 71%
CMY	0.1961, 0.0392, 0.2900
CMYK	0.16, 0.00, 0.26, 0.04
HSL	98°, 76%, 84%
HSV	98°, 26%, 96%
XYZ	66.1724, 81.6201, 56.0030
YIQ	225.7440, -3.2960, -28.3840

Conversions

Conversions Part 2

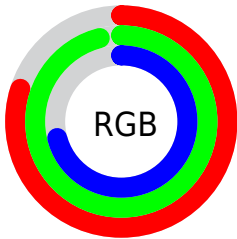
Format	Color
RYB	181, 245, 221
Decimal	13497781
CIELab	92.41, -24.12, 26.66
CIELCh	92, 35.957, 132.134
Yxy	81.6201, 0.3247, 0.4005
Android (android.graphics.Color)	4291687861 (0xFFCDF5B5)
YUV	225.7440, -22.0588, -18.1925
Hunter-Lab	90.3438, -27.3593, 26.4876

Details

The Yxy color **81.6201, 0.3247, 0.4005** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.0360, 0.2970, 0.2601**, and the grayscale version is **76.0266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **44.4377, 0.3262, 0.4181** is the 20% darker color. If you saturate the color by 10%, you get **78.6309, 0.3285, 0.4316**, and if you desaturate by 10%, it is **85.0067, 0.3203, 0.3712**.

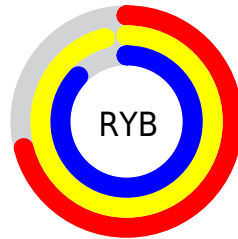
Distribution



Red (80%)

Green (96%)

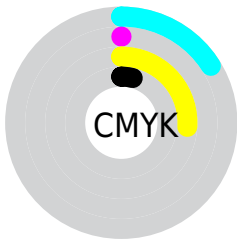
Blue (71%)



Red (71%)

Yellow (96%)

Blue (87%)

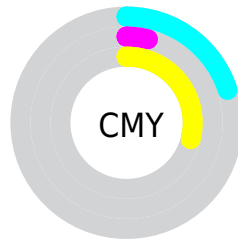


Cyan (16%)

Magenta (0%)

Yellow (26%)

Black (4%)



Cyan (20%)


Magenta (4%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6201, 0.3247, 0.4005 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 81.6201, 0.3247, 0.4005 by changing the saturation by 10% instead.


 81.6201, 0.3247,
0.4005

 81.6201, 0.3247,
0.4005


500.3761, 0.3200,
0.3669

 61.0524, 0.3255,
0.4083


 135.6411, 0.3232,
0.3887

 44.2675, 0.3265,
0.4179


169.8633, 0.3226,
0.3842

 30.8809, 0.3275,
0.4302


209.4057, 0.3221,
0.3803

 20.5081, 0.3284,
0.4463

254.6528, 0.3216,
0.3769

 12.7649, 0.3290,
0.4683

305.9890, 0.3211,
0.3739

 7.2669, 0.3286,
0.4999

363.7987, 0.3207,

 3.6296, 0.3250,

0.3713

428.4663, 0.3203,
0.3690

0.5485

1.4686, 0.3279,
0.6721

0.2665, 0.0000,
1.0000

81.6201, 0.3247,
0.4005

81.6201, 0.3247,
0.4005

78.6309, 0.3285,
0.4316

85.0067, 0.3203,
0.3712

76.0130, 0.3314,
0.4634

88.7945, 0.3156,
0.3442

73.7536, 0.3330,
0.4948

93.0007, 0.3109,
0.3198

71.8348, 0.3330,
0.5238

93.7868, 0.3132,
0.3194

■ 70.2367, 0.3311,
0.5486

■ 68.9372, 0.3274,
0.5677

■ 67.9097, 0.3223,
0.5803

■ 67.5704, 0.3202,
0.5840

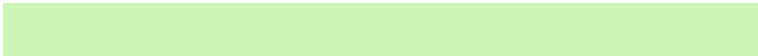
Harmonies

Analogous

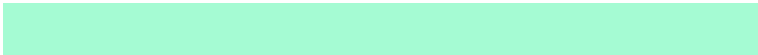
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6201, 0.3638, 0.4020



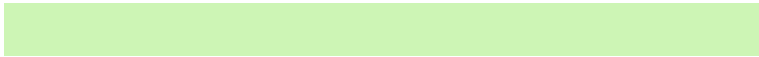
81.6201, 0.3247, 0.4005



81.6201, 0.2840, 0.3754

Triad

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



81.6201, 0.3247, 0.4005



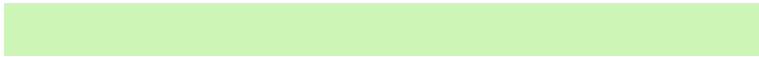
81.6201, 0.2399, 0.2712



81.6201, 0.3759, 0.3181

Complementary

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



81.6201, 0.3247, 0.4005



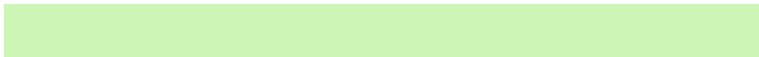
55.0360, 0.2970, 0.2601

Split Complementary

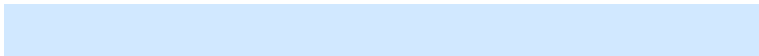
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6201, 0.3388, 0.2883



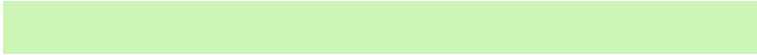
81.6201, 0.3247, 0.4005



81.6201, 0.2609, 0.2616

Square

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



81.6201, 0.3247, 0.4005



81.6201, 0.2369, 0.2973



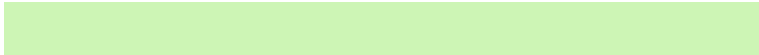
81.6201, 0.2964, 0.2681



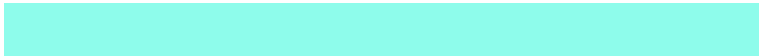
81.6201, 0.3950, 0.3519

Rectangle

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



81.6201, 0.3247, 0.4005



81.6201, 0.2614, 0.3496



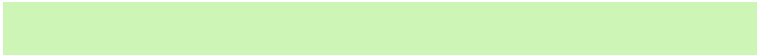
81.6201, 0.2964, 0.2681



81.6201, 0.3649, 0.3074

Sweetspot

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



81.6236, 0.3247, 0.4005



96.4150, 0.3165, 0.3492



74.1918, 0.3583, 0.3706



20.4995, 0.3172, 0.3532



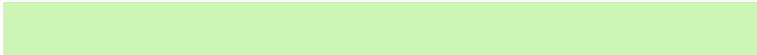
0.0000, 0.0000, 0.0000



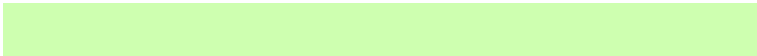
21.4041, 0.3127, 0.3290

Same Dimension

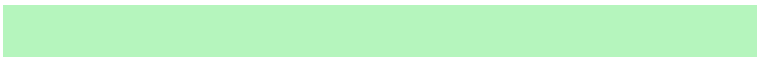
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6236, 0.3247, 0.4005



87.7115, 0.3267, 0.4157



78.7880, 0.3050, 0.3949



18.7743, 0.3172, 0.3531



36.4730, 0.3213, 0.5831



3.2623, 0.3309, 0.5754

Inverse Universe

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



55.0360, 0.2970, 0.2601



54.3214, 0.2933, 0.2461



58.6232, 0.3215, 0.2709



16.4401, 0.3078, 0.3052



7.2937, 0.2288, 0.1034



0.6996, 0.2403, 0.1097

Previews

White Background



This preview shows how the Yxy color 81.6201, 0.3247, 0.4005 looks on a white background.

Color Contrast Check

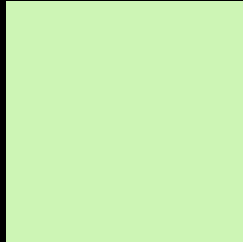
Large Text (above 18pt) WCAG AA × Fail

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 81.6201, 0.3247, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

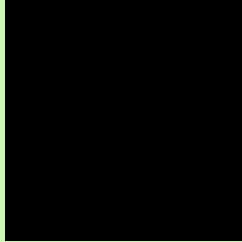
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

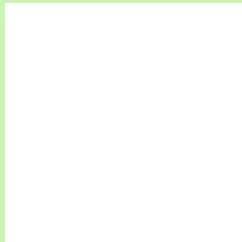
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6201, 0.3247, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 81.6201, 0.3247, 0.4005.

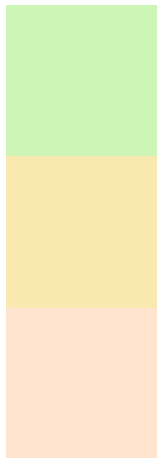


This preview shows how white text looks on a background with the Yxy color 81.6201, 0.3247, 0.4005.

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

81.6201, 0.3247, 0.4005

Protanopia

80.9481, 0.3624, 0.3877

Deuteranopia

81.3009, 0.3452, 0.3492



Tritanopia

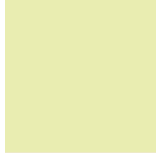
81.1713, 0.2892, 0.3092

Trichromacy



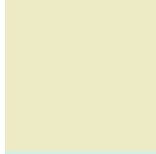
Original Color

81.6201, 0.3247, 0.4005



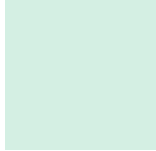
Protanomaly

81.0663, 0.3481, 0.3929



Deuteranomaly

80.9274, 0.3379, 0.3669



Tritanomaly

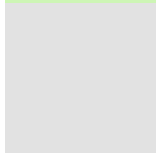
81.2761, 0.3024, 0.3419

Monochromacy



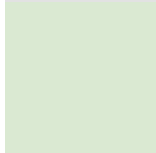
Original Color

81.6201, 0.3247, 0.4005



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.8364, 0.3170, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6201, 0.3247, 0.4005 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(205, 245, 181)` looks like.

```
.text, #text, p{  
    color:rgb(205, 245, 181)  
}
```

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(205, 245, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 245, 181) }
```

Border

The CSS property to change the border of an element to Yxy 81.6201, 0.3247, 0.4005 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(205, 245, 181) }
```

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

```
.border{ border-color:rgb(205, 245, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 245, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 245, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 245, 181);  
box-shadow:4px 4px 4px 4px rgb(205, 245,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6201, 0.3247, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 245, 181) }
```

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

```
.background{ background-color: rgb(205,  
245, 181) }
```

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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