

Converting Colors

$Yxy(81.9001, 0.3202, 0.3617)$

Have a look what the booklet for
Yxy(81.9001, 0.3202, 0.3617)
contains.

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Color

Yxy(81.8660, 0.3198, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	DEEFD1
RGB	222, 239, 209
RGB Percent	87%, 94%, 82%
CMY	0.1297, 0.0626, 0.1804
CMYK	0.07, 0.00, 0.13, 0.06
HSL	94°, 48%, 88%
HSV	94°, 13%, 94%
XYZ	72.4827, 81.8660, 72.3014
YIQ	230.4970, -0.5020, -12.9340

Conversions

Conversions Part 2

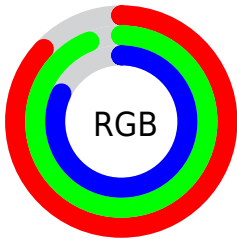
Format	Color
RYB	209, 239, 226
Decimal	14610385
CIELab	92.52, -10.93, 12.61
CIELCh	93, 16.688, 130.917
Yxy	81.8660, 0.3198, 0.3612
Android (android.graphics.Color)	4292800465 (0xFFDEEFD1)
YUV	230.4970, -10.5980, -7.4519
Hunter-Lab	90.4798, -15.3447, 15.9579

Details

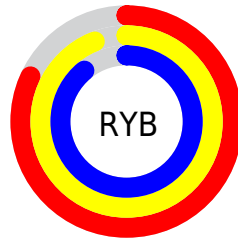
The Yxy color **81.8660, 0.3198, 0.3612** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.0182, 0.3048, 0.2971**, and the grayscale version is **79.5925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4490, 0.3211, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **78.7109, 0.3252, 0.3894**, and if you desaturate by 10%, it is **85.3793, 0.3142, 0.3353**.

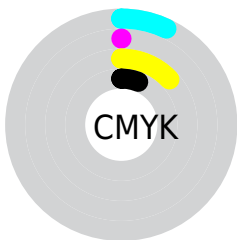
Distribution



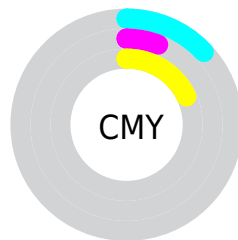
- Red (87%)
- Green (94%)
- Blue (82%)



- Red (82%)
- Yellow (94%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)



- Cyan (13%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8660, 0.3198, 0.3612 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 81.8660, 0.3198, 0.3612 by changing the saturation by 10% instead.

81.8660, 0.3198,
0.3612

81.8660, 0.3198,
0.3612

501.1994, 0.3167,
0.3463

61.2551, 0.3205,
0.3646

135.9861, 0.3188,
0.3560

44.4311, 0.3212,
0.3688

170.2640, 0.3184,
0.3540

31.0095, 0.3222,
0.3741

209.8664, 0.3180,
0.3523

20.6061, 0.3234,
0.3810

255.1777, 0.3177,
0.3508

12.8364, 0.3249,
0.3904

306.5823, 0.3174,
0.3495

7.3160, 0.3268,
0.4039

364.4644, 0.3172,

3.6605, 0.3292,

0.3483

0.4249

429.2087, 0.3169,
0.3473

■ 1.4855, 0.3357,
0.4671

■ 0.2785, 0.0000,
1.0000

■ 81.8660, 0.3198,
0.3612

■ 81.8660, 0.3198,
0.3612

■ 78.7109, 0.3252,
0.3894

■ 85.3793, 0.3142,
0.3353

■ 75.8913, 0.3302,
0.4194

■ 89.1347, 0.3096,
0.3135

■ 73.3982, 0.3344,
0.4504

■ 90.2277, 0.3134,
0.3137

■ 71.2179, 0.3373,
0.4812

■ 69.3356, 0.3386,
0.5104

■ 67.7353, 0.3380,
0.5361

■ 66.3988, 0.3353,
0.5568

■ 65.3049, 0.3308,
0.5715

■ 64.6272, 0.3266,
0.5789

Harmonies

Analogous

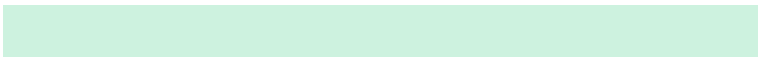
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8660, 0.3376, 0.3625



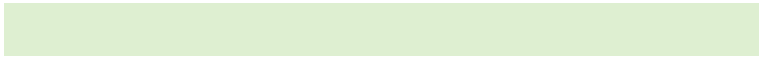
81.8660, 0.3198, 0.3612



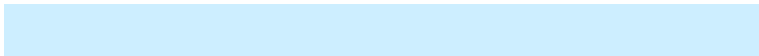
81.8660, 0.3005, 0.3504

Triad

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



81.8660, 0.3198, 0.3612



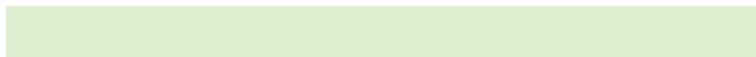
81.8660, 0.2776, 0.3025



81.8660, 0.3412, 0.3238

Complementary

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



81.8660, 0.3198, 0.3612



68.0182, 0.3048, 0.2971

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.



81.8660, 0.3244, 0.3089



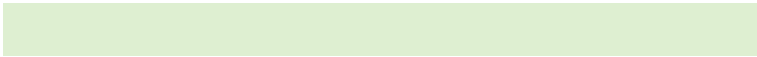
81.8660, 0.3198, 0.3612



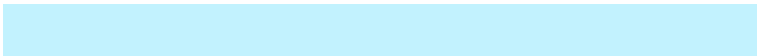
81.8660, 0.2877, 0.2967

Square

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



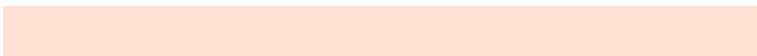
81.8660, 0.3198, 0.3612



81.8660, 0.2765, 0.3158



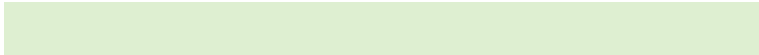
81.8660, 0.3047, 0.2991



81.8660, 0.3503, 0.3403

Rectangle

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



81.8660, 0.3198, 0.3612



81.8660, 0.2893, 0.3395



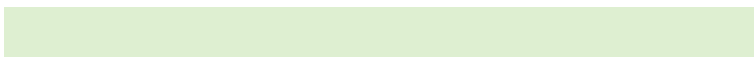
81.8660, 0.3047, 0.2991



81.8660, 0.3363, 0.3185

Sweetspot

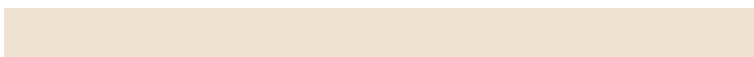
The Sweet Spot groups the original color and five complimentary colors.



81.8695, 0.3198, 0.3612



98.2755, 0.3150, 0.3389



77.3588, 0.3332, 0.3469



20.9672, 0.3154, 0.3408



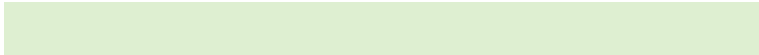
0.0000, 0.0000, 0.0000



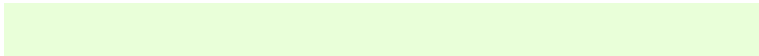
21.4041, 0.3127, 0.3290

Same Dimension

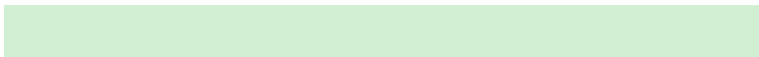
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8695, 0.3198, 0.3612



93.8777, 0.3212, 0.3680



80.0061, 0.3100, 0.3598



17.9892, 0.3181, 0.3529



35.7800, 0.3277, 0.5780



3.0342, 0.3380, 0.5699

Inverse Universe

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



68.0182, 0.3048, 0.2971



74.9857, 0.3030, 0.2904



70.0714, 0.3155, 0.3000



15.6729, 0.3069, 0.3052



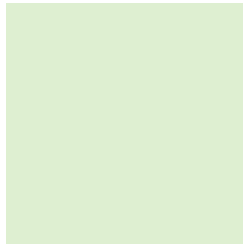
6.4192, 0.2166, 0.0967



0.5926, 0.2298, 0.1039

Previews

White Background



This preview shows how the Yxy color 81.8660, 0.3198, 0.3612 looks on a white background.

Color Contrast Check

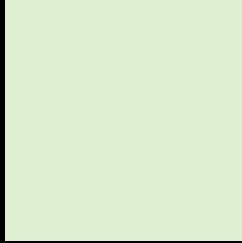
Large Text (above 18pt) WCAG AA × Fail

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 81.8660, 0.3198, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

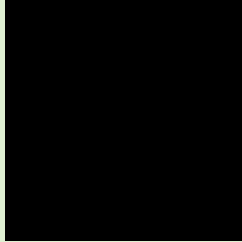
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

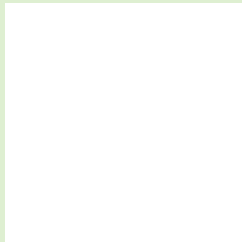
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8660, 0.3198, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 81.8660, 0.3198, 0.3612.

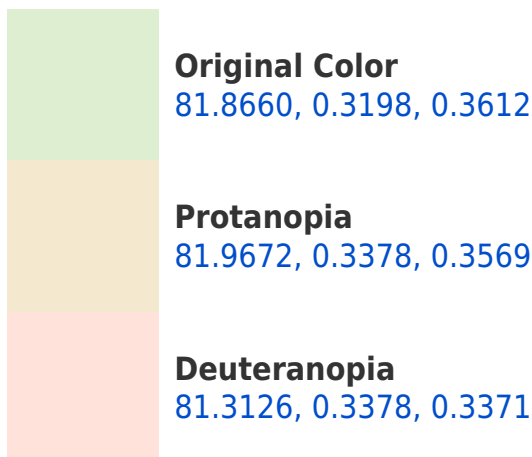


This preview shows how white text looks on a background with the Yxy color 81.8660, 0.3198, 0.3612.

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

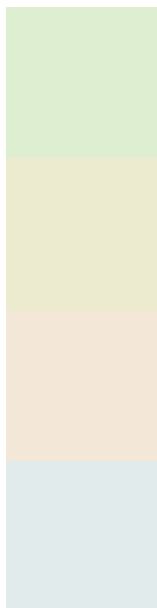




Tritanopia

81.7368, 0.2984, 0.3106

Trichromacy



Original Color

81.8660, 0.3198, 0.3612

Protanomaly

81.7545, 0.3312, 0.3583

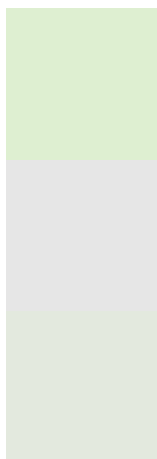
Deuteranomaly

81.1128, 0.3314, 0.3455

Tritanomaly

81.6415, 0.3061, 0.3279

Monochromacy



Original Color

81.8660, 0.3198, 0.3612

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.8826, 0.3156, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8660, 0.3198, 0.3612 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, 239, 209)` looks like.

```
.text, #text, p{  
    color:rgb(222, 239, 209)  
}
```

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, 239, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 239, 209) }
```

Border

The CSS property to change the border of an element to Yxy 81.8660, 0.3198, 0.3612 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, 239, 209) }
```

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

```
.border{ border-color:rgb(222, 239, 209) }
```

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

Here you see how a box with a 4 pixel rgb(222, 239, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 239, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 239, 209);  
box-shadow:4px 4px 4px 4px rgb(222, 239,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8660, 0.3198, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 239, 209) }
```

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

```
.background{ background-color: rgb(222,  
239, 209) }
```

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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