

Converting Colors

$Yxy(81.2952, 0.3407, 0.3887)$

Have a look what the booklet for
Yxy(81.2952, 0.3407, 0.3887)
contains.

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Color

Yxy(81.0619, 0.3405, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	E4EEB7
RGB	228, 238, 183
RGB Percent	89%, 93%, 72%
CMY	0.1058, 0.0667, 0.2824
CMYK	0.04, 0.00, 0.23, 0.07
HSL	71°, 62%, 83%
HSV	71°, 23%, 93%
XYZ	71.1198, 81.0619, 56.6869
YIQ	228.7400, 11.6950, -19.2250

Conversions

Conversions Part 2

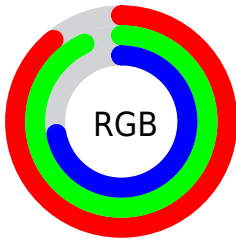
Format	Color
R_{YB}	183, 238, 193
Decimal	15003319
CIE _{Lab}	92.16, -12.28, 25.59
CIE _{LCh}	92, 28.380, 115.628
Yxy	81.0619, 0.3405, 0.3881
Android (android.graphics.Color)	4293193399 (0xFFE4EEB7)
YUV	228.7400, -22.5498, -0.6490
Hunter-Lab	90.0344, -16.5599, 25.6942

Details

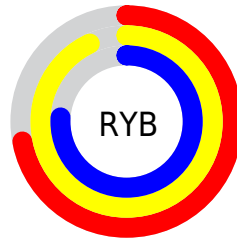
The Yxy color **81.0619, 0.3405, 0.3881** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.3653, 0.2806, 0.2652**, and the grayscale version is **78.3191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **43.8383, 0.3459, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **79.4594, 0.3522, 0.4147**, and if you desaturate by 10%, it is **82.8568, 0.3284, 0.3619**.

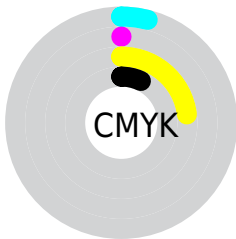
Distribution



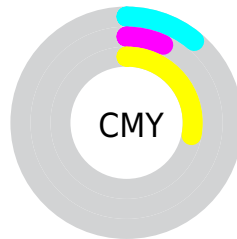
- Red (89%)
- Green (93%)
- Blue (72%)



- Red (72%)
- Yellow (93%)
- Blue (76%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)





- Cyan (11%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0619, 0.3405, 0.3881 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 81.0619, 0.3405, 0.3881 by changing the saturation by 10% instead.


 81.0619, 0.3405,
0.3881

 81.0619, 0.3405,
0.3881


498.5043, 0.3283,
0.3607

 60.5926, 0.3431,
0.3943


 134.8577, 0.3364,
0.3786

 43.8964, 0.3462,
0.4020


168.9529, 0.3348,
0.3749

 30.5891, 0.3500,
0.4117


208.3589, 0.3333,
0.3717

 20.2862, 0.3547,
0.4242

253.4601, 0.3321,
0.3690

 12.6032, 0.3606,
0.4410

304.6409, 0.3310,
0.3665

 7.1559, 0.3678,
0.4646


362.2855, 0.3300,


 3.5598, 0.3764,


0.3644


0.4998


426.7786, 0.3291,
0.3625

 1.4305, 0.4084,
0.5916


 0.2390, 0.0000,
1.0000


 81.0619, 0.3405,
0.3881


 81.0619, 0.3405,
0.3881

 79.4594, 0.3522,
0.4147


 82.8568, 0.3284,
0.3619

 78.0300, 0.3632,
0.4407

 84.8412, 0.3164,
0.3366

 76.7679, 0.3727,
0.4651

 87.0263, 0.3048,
0.3128

 75.6631, 0.3803,
0.4867

 87.8347, 0.3072,
0.3123

■ 74.7039, 0.3855,
0.5046

■ 88.6216, 0.3100,
0.3125

■ 73.8772, 0.3882,
0.5181

■ 89.4267, 0.3128,
0.3126

■ 73.1669, 0.3882,
0.5269

■ 89.6299, 0.3135,
0.3127

■ 72.7290, 0.3871,
0.5308

Harmonies

Analogous

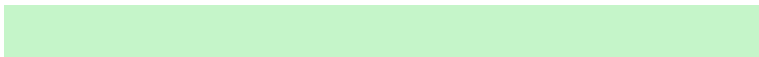
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0619, 0.3667, 0.3805



81.0619, 0.3405, 0.3881



81.0619, 0.3078, 0.3779

Triad

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



81.0619, 0.3405, 0.3881



81.0619, 0.2511, 0.2934



81.0619, 0.3478, 0.3066

Complementary

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



81.0619, 0.3405, 0.3881



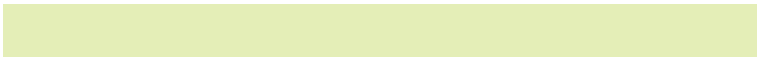
51.3653, 0.2806, 0.2652

Split Complementary

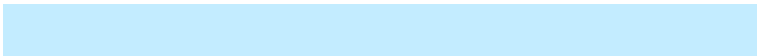
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0619, 0.3150, 0.2861



81.0619, 0.3405, 0.3881



81.0619, 0.2603, 0.2777

Square

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



81.0619, 0.3405, 0.3881



81.0619, 0.2571, 0.3204



81.0619, 0.2832, 0.2756



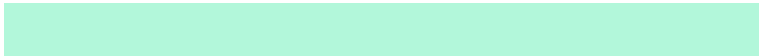
81.0619, 0.3715, 0.3330

Rectangle

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



81.0619, 0.3405, 0.3881



81.0619, 0.2868, 0.3620



81.0619, 0.2832, 0.2756



81.0619, 0.3374, 0.2989

Sweetspot

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



81.0655, 0.3405, 0.3881



98.2942, 0.3211, 0.3463



59.3616, 0.3582, 0.3392



21.0087, 0.3218, 0.3478



0.0000, 0.0000, 0.0000



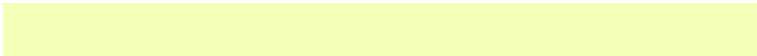
21.4041, 0.3127, 0.3290

Same Dimension

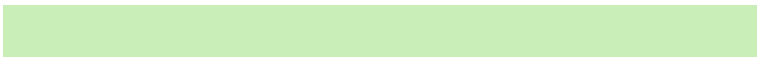
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0655, 0.3405, 0.3881



93.8496, 0.3464, 0.4014



77.0303, 0.3219, 0.3917



18.3056, 0.3240, 0.3525



40.6270, 0.3876, 0.5304



3.4171, 0.3920, 0.5269

Inverse Universe

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



51.3653, 0.2806, 0.2652



53.1450, 0.2724, 0.2495



55.1956, 0.3010, 0.2689



15.3666, 0.3008, 0.3048



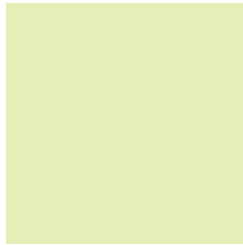
3.7723, 0.1584, 0.0646



0.3522, 0.1696, 0.0708

Previews

White Background



This preview shows how the Yxy color 81.0619, 0.3405, 0.3881 looks on a white background.

Color Contrast Check

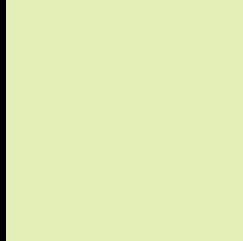
Large Text (above 18pt) WCAG AA × Fail

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 81.0619, 0.3405, 0.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

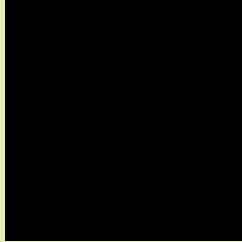
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

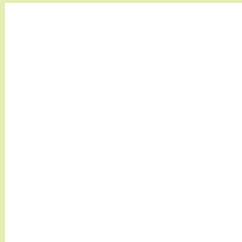
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0619, 0.3405, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 81.0619, 0.3405, 0.3881.

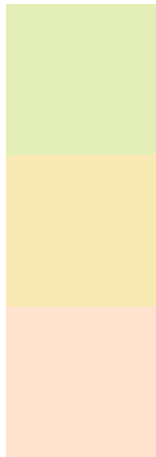


This preview shows how white text looks on a background with the Yxy color 81.0619, 0.3405, 0.3881.

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

81.0619, 0.3405, 0.3881

Protanopia

80.9650, 0.3583, 0.3827

Deuteranopia

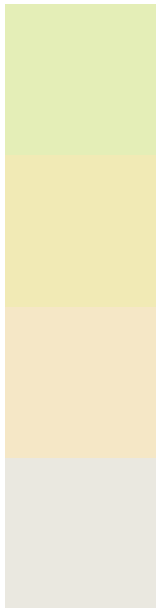
80.7032, 0.3461, 0.3493



Tritanopia

80.7585, 0.3068, 0.3108

Trichromacy



Original Color

81.0619, 0.3405, 0.3881

Protanomaly

80.8826, 0.3520, 0.3845

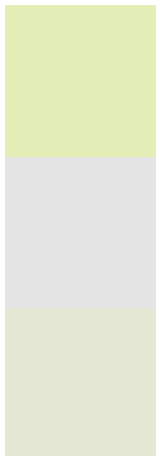
Deuteranomaly

80.6415, 0.3442, 0.3632

Tritanomaly

80.5875, 0.3192, 0.3373

Monochromacy



Original Color

81.0619, 0.3405, 0.3881

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1247, 0.3234, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0619, 0.3405, 0.3881 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(228, 238, 183)` looks like.

```
.text, #text, p{  
    color:rgb(228, 238, 183)  
}
```

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(228, 238, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 238, 183) }
```

Border

The CSS property to change the border of an element to Yxy 81.0619, 0.3405, 0.3881 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(228, 238, 183) }
```

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

```
.border{ border-color:rgb(228, 238, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 238, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 238, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 238, 183); box-shadow:4px 4px 4px 4px rgb(228, 238, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0619, 0.3405, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 238, 183) }
```

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

```
.background{ background-color: rgb(228,  
238, 183) }
```

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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