

Converting Colors

Yxy(81.4959, 0.3313, 0.3682)

Have a look what the booklet for
Yxy(81.4959, 0.3313, 0.3682)
contains.

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Color

Yxy(81.5615, 0.3312, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	E6EDC8
RGB	230, 237, 200
RGB Percent	90%, 93%, 78%
CMY	0.0981, 0.0706, 0.2155
CMYK	0.03, 0.00, 0.16, 0.07
HSL	71°, 51%, 86%
HSV	71°, 16%, 93%
XYZ	73.3456, 81.5615, 66.5469
YIQ	230.6890, 7.7050, -12.9910

Conversions

Conversions Part 2

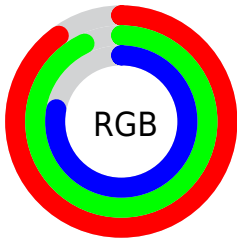
Format	Color
R_{YB}	200, 237, 207
Decimal	15134152
CIE _{Lab}	92.38, -8.54, 17.14
CIE _{LCh}	92, 19.148, 116.501
Yxy	81.5615, 0.3312, 0.3683
Android (android.graphics.Color)	4293324232 (0xFFE6EDC8)
YUV	230.6890, -15.1297, -0.6043
Hunter-Lab	90.3114, -13.0779, 19.5295

Details

The Yxy color **81.5615, 0.3312, 0.3683** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.7167, 0.2924, 0.2877**, and the grayscale version is **79.7819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1217, 0.3350, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **79.8072, 0.3431, 0.3947**, and if you desaturate by 10%, it is **83.5139, 0.3193, 0.3427**.

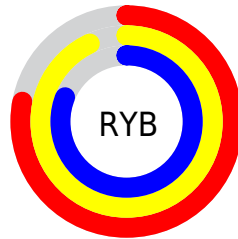
Distribution



Red (90%)

Green (93%)

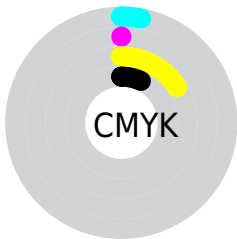
Blue (78%)



Red (78%)

Yellow (93%)

Blue (81%)

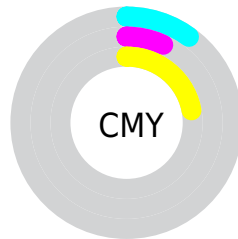


Cyan (3%)

Magenta (0%)

Yellow (16%)

Black (7%)



Cyan (10%)

Magenta (7%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5615, 0.3312, 0.3683 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 81.5615, 0.3312, 0.3683 by changing the saturation by 10% instead.

81.5615, 0.3312,
0.3683

81.5615, 0.3312,
0.3683

500.1797, 0.3230,
0.3502

61.0042, 0.3330,
0.3724

135.5589, 0.3284,
0.3620

44.2285, 0.3352,
0.3775

169.7678, 0.3273,
0.3596

30.8502, 0.3379,
0.3839

209.2959, 0.3264,
0.3575

20.4848, 0.3413,
0.3922

254.5277, 0.3255,
0.3557

12.7479, 0.3457,
0.4034

305.8476, 0.3248,
0.3540

7.2552, 0.3516,
0.4194

363.6400, 0.3241,

3.6222, 0.3597,

0.3526

0.4437

428.2892, 0.3235,
0.3513

■ 1.4646, 0.3891,
0.5087

■ 0.2636, 0.1373,
0.8627

■ 81.5615, 0.3312,
0.3683

■ 81.5615, 0.3312,
0.3683

■ 79.8072, 0.3431,
0.3947

■ 83.5139, 0.3193,
0.3427

■ 78.2323, 0.3545,
0.4213

■ 85.6612, 0.3076,
0.3185

■ 76.8316, 0.3650,
0.4472

■ 86.9301, 0.3060,
0.3113

■ 75.5958, 0.3740,
0.4711

■ 87.7415, 0.3089,
0.3114

■ 74.5145, 0.3809,
0.4921

■ 88.5726, 0.3119,
0.3116

■ 73.5759, 0.3853,
0.5091

■ 89.0505, 0.3135,
0.3117

■ 72.7664, 0.3872,
0.5216

■ 72.0691, 0.3865,
0.5295

■ 71.7860, 0.3857,
0.5320

Harmonies

Analogous

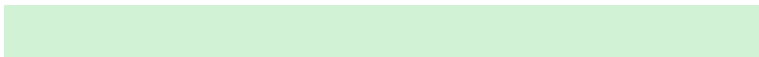
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5615, 0.3488, 0.3643



81.5615, 0.3312, 0.3683



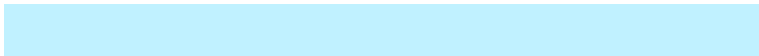
81.5615, 0.3091, 0.3609

Triad

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



81.5615, 0.3312, 0.3683



81.5615, 0.2706, 0.3049



81.5615, 0.3370, 0.3143

Complementary

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



81.5615, 0.3312, 0.3683



60.7167, 0.2924, 0.2877

Split Complementary

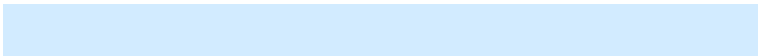
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5615, 0.3152, 0.2998



81.5615, 0.3312, 0.3683



81.5615, 0.2773, 0.2940

Square

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



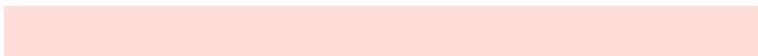
81.5615, 0.3312, 0.3683



81.5615, 0.2745, 0.3231



81.5615, 0.2934, 0.2924



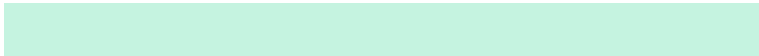
81.5615, 0.3524, 0.3328

Rectangle

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



81.5615, 0.3312, 0.3683



81.5615, 0.2948, 0.3504



81.5615, 0.2934, 0.2924



81.5615, 0.3301, 0.3089

Sweetspot

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



81.5651, 0.3312, 0.3683



98.7502, 0.3186, 0.3413



66.7160, 0.3410, 0.3364



21.1000, 0.3194, 0.3431



0.0000, 0.0000, 0.0000



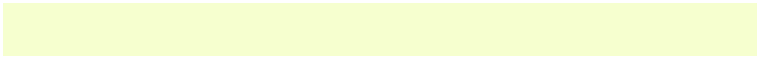
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5651, 0.3312, 0.3683



95.5623, 0.3354, 0.3774



78.7023, 0.3186, 0.3699



17.4743, 0.3239, 0.3525



39.2456, 0.3862, 0.5315



3.1189, 0.3911, 0.5277

Inverse Universe

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



60.7167, 0.2924, 0.2877



66.1866, 0.2872, 0.2776



63.4996, 0.3058, 0.2894



14.6863, 0.3009, 0.3048



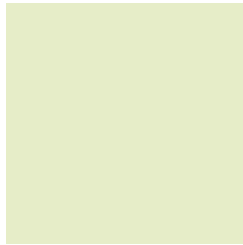
3.6839, 0.1591, 0.0650



0.3276, 0.1713, 0.0717

Previews

White Background



This preview shows how the Yxy color 81.5615, 0.3312, 0.3683 looks on a white background.

Color Contrast Check

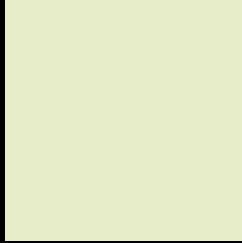
Large Text (above 18pt) WCAG AA × Fail

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 81.5615, 0.3312, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

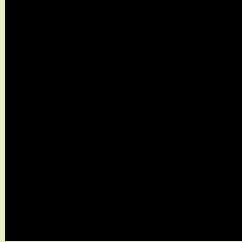
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

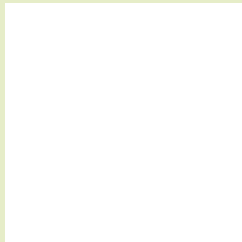
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5615, 0.3312, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 81.5615, 0.3312, 0.3683.

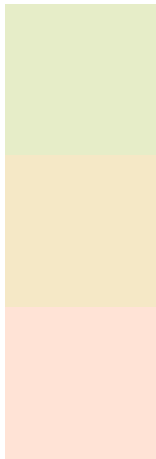


This preview shows how white text looks on a background with the Yxy color 81.5615, 0.3312, 0.3683.

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

81.5615, 0.3312, 0.3683

Protanopia

81.2029, 0.3440, 0.3642

Deuteranopia

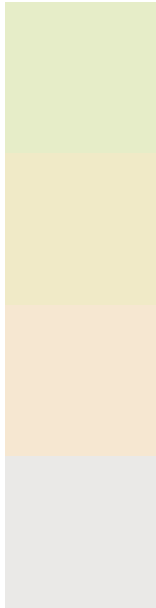
81.0532, 0.3413, 0.3421



Tritanopia

81.3755, 0.3062, 0.3108

Trichromacy



Original Color

81.5615, 0.3312, 0.3683

Protanomaly

81.4944, 0.3394, 0.3656

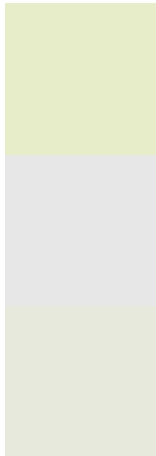
Deuteranomaly

81.3481, 0.3375, 0.3516

Tritanomaly

81.5398, 0.3146, 0.3311

Monochromacy



Original Color

81.5615, 0.3312, 0.3683

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.4341, 0.3196, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5615, 0.3312, 0.3683 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(230, 237, 200)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 200)  
}
```

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(230, 237, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 200) }
```

Border

The CSS property to change the border of an element to Yxy 81.5615, 0.3312, 0.3683 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(230, 237, 200) }
```

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

```
.border{ border-color:rgb(230, 237, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 200);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5615, 0.3312, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 200) }
```

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

```
.background{ background-color: rgb(230,  
237, 200) }
```

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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