

Converting Colors

$Yxy(81.6721, 0.3336, 0.3616)$

Have a look what the booklet for
Yxy(81.6721, 0.3336, 0.3616)
contains.

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Color

Yxy(81.7808, 0.3339, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	EDEBCC
RGB	237, 235, 204
RGB Percent	93%, 92%, 80%
CMY	0.0705, 0.0784, 0.2001
CMYK	0.00, 0.01, 0.14, 0.07
HSL	56°, 48%, 86%
HSV	56°, 14%, 93%
XYZ	75.5370, 81.7808, 68.9085
YIQ	232.0640, 11.1430, -9.2170

Conversions

Conversions Part 2

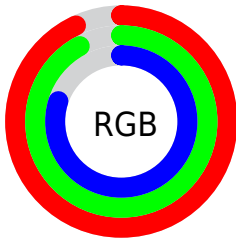
Format	Color
RYB	206, 237, 204
Decimal	15592396
CIELab	92.48, -4.44, 15.32
CIELCh	92, 15.949, 106.163
Yxy	81.7808, 0.3339, 0.3615
Android (android.graphics.Color)	4293782476 (0xFFEDEBCC)
YUV	232.0640, -13.8356, 4.3289
Hunter-Lab	90.4327, -9.1592, 18.1247

Details

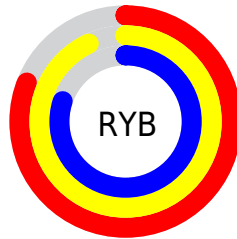
The Yxy color **81.7808, 0.3339, 0.3615** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.0916, 0.2904, 0.2943**, and the grayscale version is **80.8493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2660, 0.3384, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **79.9011, 0.3497, 0.3854**, and if you desaturate by 10%, it is **83.8476, 0.3186, 0.3380**.

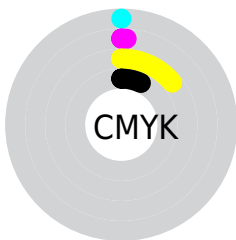
Distribution



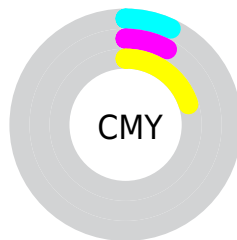
- Red (93%)
- Green (92%)
- Blue (80%)



- Red (81%)
- Yellow (93%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7808, 0.3339, 0.3615 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 81.7808, 0.3339, 0.3615 by changing the saturation by 10% instead.

81.7808, 0.3339,
0.3615

81.7808, 0.3339,
0.3615

500.9142, 0.3244,
0.3466

61.1849, 0.3360,
0.3648

135.8666, 0.3306,
0.3564

44.3744, 0.3386,
0.3690

170.1252, 0.3294,
0.3544

30.9649, 0.3418,
0.3741

209.7068, 0.3283,
0.3527

20.5722, 0.3459,
0.3808

254.9959, 0.3273,
0.3511

12.8116, 0.3513,
0.3898

306.3768, 0.3264,
0.3498

7.2990, 0.3587,
0.4025

364.2338, 0.3257,

3.6498, 0.3695,

0.3486

0.4217

428.9515, 0.3250,
0.3476

■ 1.4796, 0.3970,
0.4665

■ 0.2743, 0.3571,
0.6429

■ 81.7808, 0.3339,
0.3615

■ 81.7808, 0.3339,
0.3615

■ 79.9011, 0.3497,
0.3854

■ 83.8476, 0.3186,
0.3380

■ 78.1899, 0.3655,
0.4090

■ 86.0981, 0.3040,
0.3155

■ 76.6424, 0.3807,
0.4314

■ 87.1814, 0.3019,
0.3134

■ 75.2495, 0.3948,
0.4517

■ 88.0401, 0.3018,
0.3149

■ 74.0010, 0.4071,
0.4688

■ 88.9058, 0.3018,
0.3164

■ 72.8857, 0.4170,
0.4820

■ 89.7784, 0.3018,
0.3178

■ 71.8903, 0.4243,
0.4908

■ 90.6579, 0.3018,
0.3193

■ 70.9988, 0.4289,
0.4952

■ 91.5444, 0.3018,
0.3207

■ 70.4952, 0.4307,
0.4962

■ 92.4378, 0.3018,
0.3222

Harmonies

Analogous

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



81.7808, 0.3461, 0.3554



81.7808, 0.3339, 0.3615



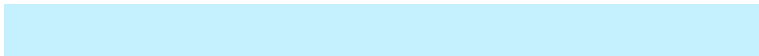
81.7808, 0.3162, 0.3585

Triad

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



81.7808, 0.3339, 0.3615



81.7808, 0.2776, 0.3138



81.7808, 0.3270, 0.3120

Complementary

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



81.7808, 0.3339, 0.3615



63.0916, 0.2904, 0.2943

Split Complementary

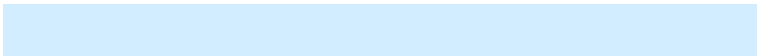
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7808, 0.3083, 0.3016



81.7808, 0.3339, 0.3615



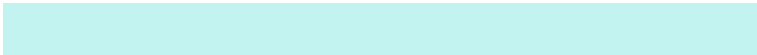
81.7808, 0.2802, 0.3021

Square

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



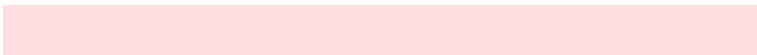
81.7808, 0.3339, 0.3615



81.7808, 0.2840, 0.3302



81.7808, 0.2913, 0.2979



81.7808, 0.3421, 0.3268

Rectangle

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



81.7808, 0.3339, 0.3615



81.7808, 0.3038, 0.3516



81.7808, 0.2913, 0.2979



81.7808, 0.3209, 0.3079

Sweetspot

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



81.7844, 0.3339, 0.3615



98.9608, 0.3187, 0.3382



65.6445, 0.3368, 0.3267



21.1407, 0.3198, 0.3399



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.



81.7844, 0.3339, 0.3615



95.8267, 0.3388, 0.3689



80.5863, 0.3237, 0.3646



17.4590, 0.3269, 0.3509



38.5477, 0.4305, 0.4964



3.0751, 0.4288, 0.4978

Inverse Universe

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



63.0916, 0.2904, 0.2943



69.4183, 0.2849, 0.2857



64.2371, 0.3006, 0.2931



14.6975, 0.2980, 0.3061



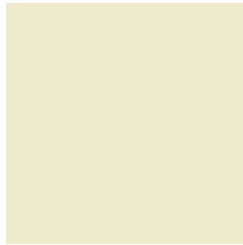
3.5807, 0.1511, 0.0639



0.3336, 0.1540, 0.0743

Previews

White Background



This preview shows how the Yxy color 81.7808, 0.3339, 0.3615 looks on a white background.

Color Contrast Check

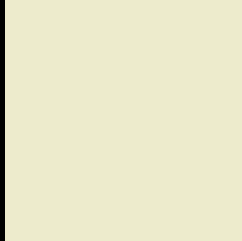
Large Text (above 18pt) WCAG AA × Fail

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 81.7808, 0.3339, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

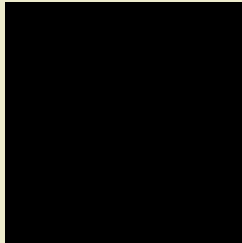
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

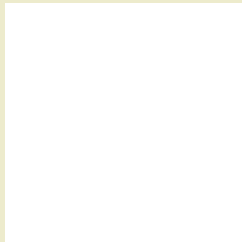
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7808, 0.3339, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 81.7808, 0.3339, 0.3615.

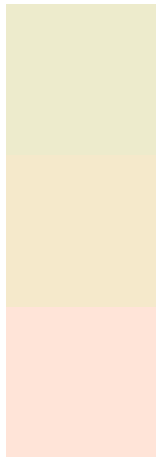


This preview shows how white text looks on a background with the Yxy color 81.7808, 0.3339, 0.3615.

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

81.7808, 0.3339, 0.3615

Protanopia

82.0021, 0.3405, 0.3599

Deuteranopia

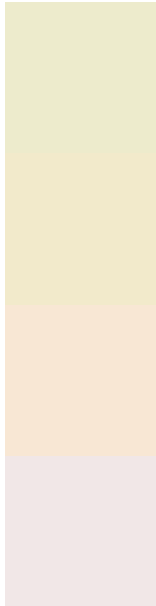
81.7047, 0.3397, 0.3411



Tritanopia

81.8087, 0.3108, 0.3110

Trichromacy



Original Color

81.7808, 0.3339, 0.3615

Protanomaly

82.0347, 0.3382, 0.3612

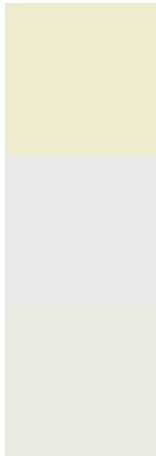
Deuteranomaly

81.8618, 0.3370, 0.3484

Tritanomaly

81.6221, 0.3196, 0.3290

Monochromacy



Original Color

81.7808, 0.3339, 0.3615

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.0442, 0.3204, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7808, 0.3339, 0.3615 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(237, 235, 204)` looks like.

```
.text, #text, p{  
    color:rgb(237, 235, 204)  
}
```

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(237, 235, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 235, 204) }
```

Border

The CSS property to change the border of an element to Yxy 81.7808, 0.3339, 0.3615 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(237, 235, 204) }
```

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

```
.border{ border-color:rgb(237, 235, 204) }
```

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

Here you see how a box with a 4 pixel rgb(237, 235, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(237, 235,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7808, 0.3339, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 235, 204) }
```

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

```
.background{ background-color: rgb(237,  
235, 204) }
```

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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