

Converting Colors

$Yxy(80.7599, 0.3244, 0.3635)$

Have a look what the booklet for
Yxy(80.7599, 0.3244, 0.3635)
contains.

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Color

Yxy(80.8234, 0.3239, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	E0EDCD
RGB	224, 237, 205
RGB Percent	88%, 93%, 80%
CMY	0.1216, 0.0705, 0.1962
CMYK	0.05, 0.00, 0.14, 0.07
HSL	84°, 47%, 87%
HSV	84°, 14%, 93%
XYZ	72.0382, 80.8234, 69.5473
YIQ	229.4650, 2.5240, -12.7080

Conversions

Conversions Part 2

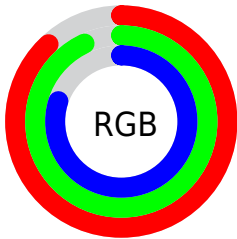
Format	Color
RYB	205, 237, 218
Decimal	14740941
CIELab	92.05, -9.87, 14.06
CIELCh	92, 17.177, 125.079
Yxy	80.8234, 0.3239, 0.3634
Android (android.graphics.Color)	4292931021 (0xFFE0EDCD)
YUV	229.4650, -12.0612, -4.7928
Hunter-Lab	89.9018, -14.2963, 17.0651

Details

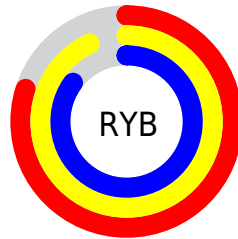
The Yxy color **80.8234, 0.3239, 0.3634** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.6745, 0.3004, 0.2942**, and the grayscale version is **78.8035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7171, 0.3264, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **78.2711, 0.3321, 0.3909**, and if you desaturate by 10%, it is **83.6434, 0.3156, 0.3376**.

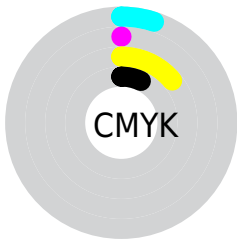
Distribution



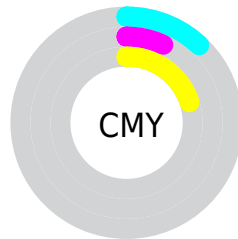
- Red (88%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8234, 0.3239, 0.3634 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 80.8234, 0.3239, 0.3634 by changing the saturation by 10% instead.

80.8234, 0.3239,
0.3634

80.8234, 0.3239,
0.3634

497.7034, 0.3190,
0.3475

60.3962, 0.3250,
0.3670

134.5228, 0.3222,
0.3579

43.7380, 0.3263,
0.3715

168.5637, 0.3216,
0.3557

30.4646, 0.3279,
0.3772

207.9113, 0.3210,
0.3539

20.1915, 0.3299,
0.3846

252.9500, 0.3205,
0.3523

12.5343, 0.3324,
0.3947

304.0642, 0.3200,
0.3509

7.1087, 0.3359,
0.4091

361.6382, 0.3196,

3.5302, 0.3405,

0.3496

0.4316

426.0565, 0.3193,
0.3485

■ 1.4144, 0.3559,
0.4834

■ 0.2273, 0.0000,
1.0000

■ 80.8234, 0.3239,
0.3634

■ 80.8234, 0.3239,
0.3634

■ 78.2711, 0.3321,
0.3909

■ 83.6434, 0.3156,
0.3376

■ 75.9669, 0.3398,
0.4196

■ 86.7292, 0.3074,
0.3138

■ 73.9042, 0.3466,
0.4485

■ 88.6594, 0.3122,
0.3116

■ 72.0726, 0.3520,
0.4767

■ 89.0552, 0.3135,
0.3117

■ 70.4605, 0.3556,
0.5026

■ 69.0550, 0.3569,
0.5251

■ 67.8414, 0.3558,
0.5428

■ 66.8022, 0.3523,
0.5552

■ 66.2050, 0.3492,
0.5610

Harmonies

Analogous

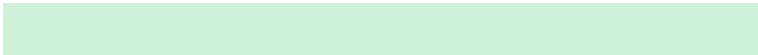
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8234, 0.3414, 0.3627



80.8234, 0.3239, 0.3634



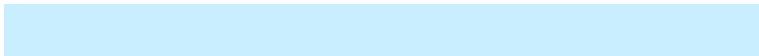
80.8234, 0.3038, 0.3540

Triad

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



80.8234, 0.3239, 0.3634



80.8234, 0.2754, 0.3037



80.8234, 0.3393, 0.3204

Complementary

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



80.8234, 0.3239, 0.3634



64.6745, 0.3004, 0.2942

Split Complementary

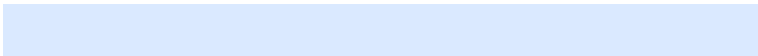
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8234, 0.3208, 0.3058



80.8234, 0.3239, 0.3634



80.8234, 0.2842, 0.2961

Square

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



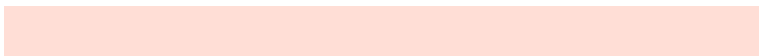
80.8234, 0.3239, 0.3634



80.8234, 0.2763, 0.3187



80.8234, 0.3007, 0.2970



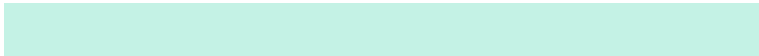
80.8234, 0.3506, 0.3374

Rectangle

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



80.8234, 0.3239, 0.3634



80.8234, 0.2917, 0.3433



80.8234, 0.3007, 0.2970



80.8234, 0.3337, 0.3151

Sweetspot

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



80.8269, 0.3239, 0.3634



98.5821, 0.3160, 0.3388



72.4487, 0.3357, 0.3427



21.0448, 0.3166, 0.3407



0.0000, 0.0000, 0.0000



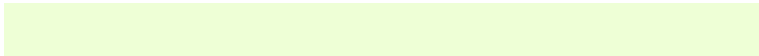
21.4041, 0.3127, 0.3290

Same Dimension

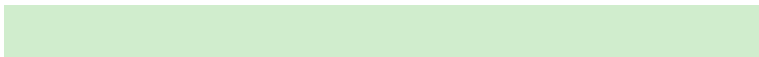
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8269, 0.3239, 0.3634



94.6330, 0.3260, 0.3703



78.4184, 0.3132, 0.3645



17.3039, 0.3205, 0.3527



36.2200, 0.3502, 0.5601



2.9001, 0.3596, 0.5527

Inverse Universe

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



64.6745, 0.3004, 0.2942



72.3689, 0.2977, 0.2871



67.2281, 0.3119, 0.2954



14.8480, 0.3043, 0.3051



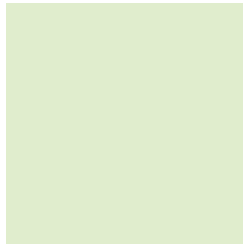
4.7794, 0.1857, 0.0797



0.4302, 0.2012, 0.0882

Previews

White Background



This preview shows how the Yxy color 80.8234, 0.3239, 0.3634 looks on a white background.

Color Contrast Check

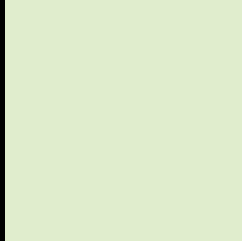
Large Text (above 18pt) WCAG AA × Fail

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 80.8234, 0.3239, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

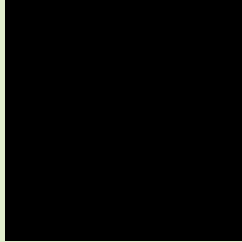
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

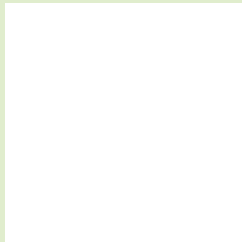
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8234, 0.3239, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 80.8234, 0.3239, 0.3634.

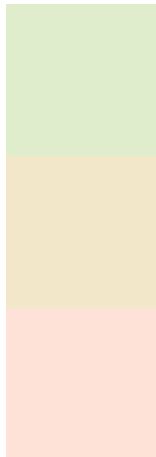


This preview shows how white text looks on a background with the Yxy color 80.8234, 0.3239, 0.3634.

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

80.8234, 0.3239, 0.3634

Protanopia

80.4708, 0.3401, 0.3591

Deuteranopia

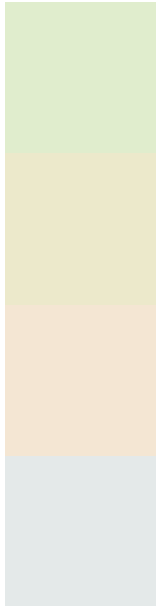
80.5590, 0.3407, 0.3401



Tritanopia

80.9803, 0.3016, 0.3106

Trichromacy



Original Color

80.8234, 0.3239, 0.3634

Protanomaly

80.4225, 0.3341, 0.3606

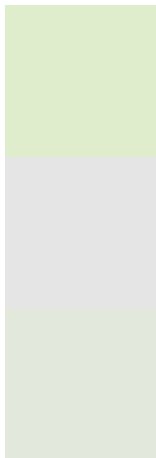
Deuteranomaly

80.5299, 0.3349, 0.3486

Tritanomaly

80.6550, 0.3094, 0.3290

Monochromacy



Original Color

80.8234, 0.3239, 0.3634

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2114, 0.3169, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8234, 0.3239, 0.3634 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(224, 237, 205)` looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 205)  
}
```

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(224, 237, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 205) }
```

Border

The CSS property to change the border of an element to Yxy 80.8234, 0.3239, 0.3634 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(224, 237, 205) }
```

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

```
.border{ border-color:rgb(224, 237, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 237, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 237, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 237, 205);  
box-shadow:4px 4px 4px 4px rgb(224, 237,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8234, 0.3239, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 205) }
```

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

```
.background{ background-color: rgb(224,  
237, 205) }
```

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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