

Converting Colors

$Yxy(80.6208, 0.3278, 0.3664)$

Have a look what the booklet for
Yxy(80.6208, 0.3278, 0.3664)
contains.

Yxy(80.3767, 0.3279, 0.3666)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3767, 0.3279, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	E2ECC9
RGB	226, 236, 201
RGB Percent	89%, 93%, 79%
CMY	0.1139, 0.0744, 0.2118
CMYK	0.04, 0.00, 0.15, 0.07
HSL	77°, 48%, 86%
HSV	77°, 15%, 93%
XYZ	71.8918, 80.3767, 66.9806
YIQ	229.0200, 5.2750, -13.0050

Conversions

Conversions Part 2

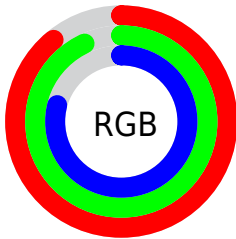
Format	Color
RYB	201, 236, 211
Decimal	14871753
CIELab	91.85, -9.32, 15.86
CIELCh	92, 18.396, 120.446
Yxy	80.3767, 0.3279, 0.3666
Android (android.graphics.Color)	4293061833 (0xFFE2ECC9)
YUV	229.0200, -13.8139, -2.6485
Hunter-Lab	89.6531, -13.7557, 18.4611

Details

The Yxy color $80.3767, 0.3279, 0.3666$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $61.6864, 0.2960, 0.2902$, and the grayscale version is $78.4682, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4070, 0.3316, 0.3750$ is the 20% darker color. If you saturate the color by 10%, you get $78.2792, 0.3381, 0.3936$, and if you desaturate by 10%, it is $82.6952, 0.3176, 0.3409$.

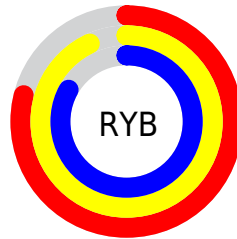
Distribution



Red (89%)

Green (93%)

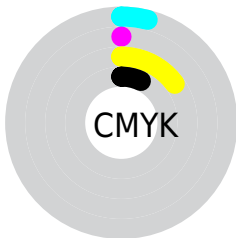
Blue (79%)



Red (79%)

Yellow (93%)

Blue (83%)

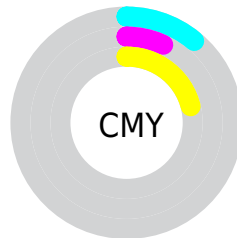


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3767, 0.3279, 0.3666 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 80.3767, 0.3279, 0.3666 by changing the saturation by 10% instead.

80.3767, 0.3279,
0.3666

80.3767, 0.3279,
0.3666

496.2014, 0.3212,
0.3492

60.0284, 0.3294,
0.3706

133.8952, 0.3256,
0.3606

43.4415, 0.3312,
0.3755

167.8342, 0.3247,
0.3582

30.2317, 0.3334,
0.3817

207.0722, 0.3239,
0.3562

20.0145, 0.3361,
0.3897

251.9937, 0.3232,
0.3544

12.4056, 0.3397,
0.4007

302.9829, 0.3226,
0.3529

7.0205, 0.3445,
0.4164

360.4244, 0.3221,

3.4749, 0.3511,

0.3515

0.4407

424.7024, 0.3216,
0.3503

■ 1.3844, 0.3772,
0.5058

■ 0.2052, 0.0000,
1.0000

■ 80.3767, 0.3279,
0.3666

■ 80.3767, 0.3279,
0.3666

■ 78.2792, 0.3381,
0.3936

■ 82.6952, 0.3176,
0.3409

■ 76.3840, 0.3478,
0.4212

■ 85.2320, 0.3076,
0.3168

■ 74.6856, 0.3566,
0.4484

■ 86.8678, 0.3079,
0.3104

■ 73.1745, 0.3639,
0.4743

■ 88.1182, 0.3123,
0.3107

■ 71.8400, 0.3692,
0.4975

■ 88.4813, 0.3136,
0.3107

■ 70.6704, 0.3722,
0.5170

■ 69.6518, 0.3725,
0.5318

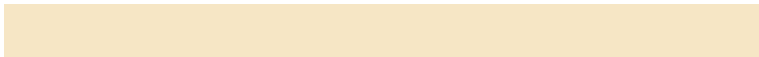
■ 68.7676, 0.3704,
0.5417

■ 68.3506, 0.3687,
0.5455

Harmonies

Analogous

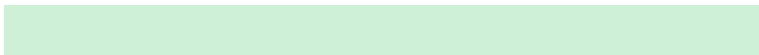
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3767, 0.3458, 0.3641



80.3767, 0.3279, 0.3666



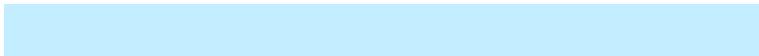
80.3767, 0.3064, 0.3581

Triad

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



80.3767, 0.3279, 0.3666



80.3767, 0.2723, 0.3039



80.3767, 0.3385, 0.3170

Complementary

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



80.3767, 0.3279, 0.3666



61.6864, 0.2960, 0.2902

Split Complementary

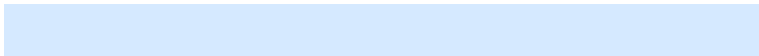
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3767, 0.3180, 0.3023



80.3767, 0.3279, 0.3666



80.3767, 0.2801, 0.2944

Square

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



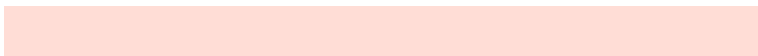
80.3767, 0.3279, 0.3666



80.3767, 0.2747, 0.3208



80.3767, 0.2966, 0.2941



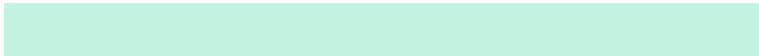
80.3767, 0.3522, 0.3351

Rectangle

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



80.3767, 0.3279, 0.3666



80.3767, 0.2929, 0.3473



80.3767, 0.2966, 0.2941



80.3767, 0.3322, 0.3116

Sweetspot

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



80.3802, 0.3279, 0.3666



98.8089, 0.3168, 0.3388



68.6015, 0.3388, 0.3398



21.1023, 0.3176, 0.3407



0.0000, 0.0000, 0.0000



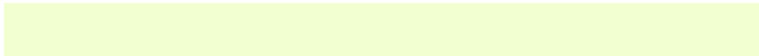
21.4041, 0.3127, 0.3290

Same Dimension

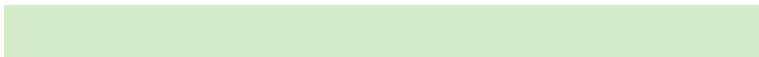
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3802, 0.3279, 0.3666



94.9730, 0.3312, 0.3752



77.7130, 0.3159, 0.3680



17.3970, 0.3224, 0.3526



37.7387, 0.3695, 0.5448



3.0119, 0.3766, 0.5392

Inverse Universe

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



61.6864, 0.2960, 0.2902



68.4446, 0.2918, 0.2810



64.3936, 0.3088, 0.2917



14.7584, 0.3025, 0.3050



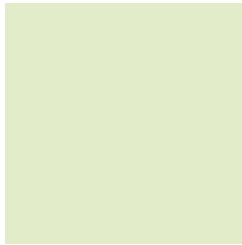
4.0685, 0.1688, 0.0703



0.3669, 0.1832, 0.0783

Previews

White Background



This preview shows how the Yxy color 80.3767, 0.3279, 0.3666 looks on a white background.

Color Contrast Check

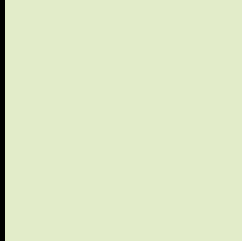
Large Text (above 18pt) WCAG AA × Fail

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 80.3767, 0.3279, 0.3666 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

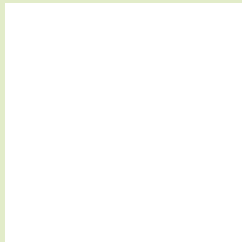
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3767, 0.3279, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 80.3767, 0.3279, 0.3666.

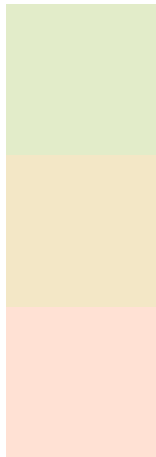


This preview shows how white text looks on a background with the Yxy color 80.3767, 0.3279, 0.3666.

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

80.3767, 0.3279, 0.3666

Protanopia

80.2837, 0.3428, 0.3634

Deuteranopia

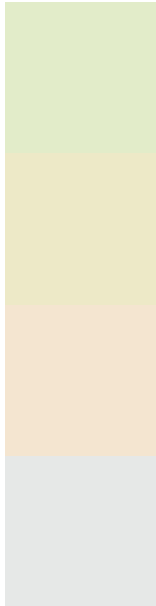
79.8639, 0.3430, 0.3422



Tritanopia

80.1396, 0.3035, 0.3096

Trichromacy



Original Color

80.3767, 0.3279, 0.3666

Protanomaly

80.4059, 0.3374, 0.3648

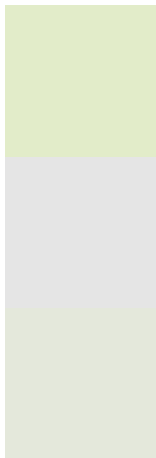
Deuteranomaly

79.8258, 0.3371, 0.3508

Tritanomaly

80.3057, 0.3120, 0.3300

Monochromacy



Original Color

80.3767, 0.3279, 0.3666

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.3217, 0.3182, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3767, 0.3279, 0.3666 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(226, 236, 201)` looks like.

```
.text, #text, p{  
    color:rgb(226, 236, 201)  
}
```

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(226, 236, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 236, 201) }
```

Border

The CSS property to change the border of an element to Yxy 80.3767, 0.3279, 0.3666 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(226, 236, 201) }
```

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

```
.border{ border-color:rgb(226, 236, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 236, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 236, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 236, 201);  
box-shadow:4px 4px 4px 4px rgb(226, 236,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3767, 0.3279, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 236, 201) }
```

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

```
.background{ background-color: rgb(226,  
236, 201) }
```

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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