

Converting Colors

Yxy(82.7626, 0.3406, 0.4039)

Have a look what the booklet for
Yxy(82.7626, 0.3406, 0.4039)
contains.

Yxy(82.6868, 0.3408, 0.4037)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.6868, 0.3408, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	DEF3AE
RGB	222, 243, 174
RGB Percent	87%, 95%, 68%
CMY	0.1296, 0.0470, 0.3176
CMYK	0.09, 0.00, 0.28, 0.05
HSL	78°, 74%, 82%
HSV	78°, 28%, 95%
XYZ	69.8035, 82.6868, 52.3321
YIQ	228.8550, 9.6330, -25.9110

Conversions

Conversions Part 2

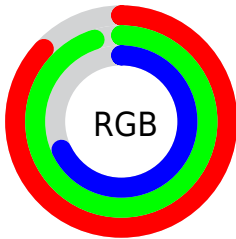
Format	Color
RYB	174, 243, 195
Decimal	14611374
CIELab	92.88, -18.19, 31.06
CIELCh	93, 35.990, 120.355
Yxy	82.6868, 0.3408, 0.4037
Android (android.graphics.Color)	4292801454 (0xFFDEF3AE)
YUV	228.8550, -27.0435, -6.0118
Hunter-Lab	90.9323, -22.1073, 29.5308

Details

The Yxy color $82.6868, 0.3408, 0.4037$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $48.3641, 0.2783, 0.2499$, and the grayscale version is $78.4366, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.4932, 0.3274, 0.3532$, and $45.0281, 0.3459, 0.4216$ is the 20% darker color. If you saturate the color by 10%, you get $80.6808, 0.3499, 0.4315$, and if you desaturate by 10%, it is $84.9232, 0.3310, 0.3762$.

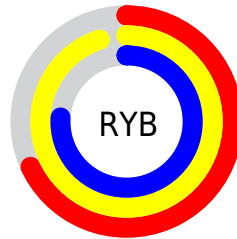
Distribution



Red (87%)

Green (95%)

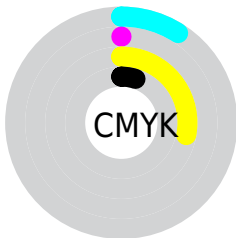
Blue (68%)



Red (68%)

Yellow (95%)

Blue (76%)

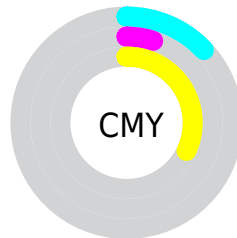


Cyan (9%)

Magenta (0%)

Yellow (28%)

Black (5%)



Cyan (13%)


Magenta (5%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6868, 0.3408, 0.4037 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 82.6868, 0.3408, 0.4037 by changing the saturation by 10% instead.

 82.6868, 0.3408,
0.4037

 82.6868, 0.3408,
0.4037


503.9421, 0.3288,
0.3690

 61.9318, 0.3432,
0.4116


 137.1367, 0.3369,
0.3917

 44.9776, 0.3461,
0.4213


171.6004, 0.3353,
0.3870

 31.4398, 0.3495,
0.4336


211.4025, 0.3339,
0.3829

 20.9340, 0.3534,
0.4495

256.9273, 0.3326,
0.3794

 13.0757, 0.3579,
0.4707

308.5593, 0.3315,
0.3763

 7.4807, 0.3626,
0.5002

366.6828, 0.3306,

 3.7645, 0.3681,

0.3736

0.5467

431.6823, 0.3297,
0.3712

■ 1.5427, 0.3718,
0.6282

■ 0.3185, 0.0000,
1.0000

■ 82.6868, 0.3408,
0.4037

■ 82.6868, 0.3408,
0.4037

■ 80.6808, 0.3499,
0.4315

■ 84.9232, 0.3310,
0.3762

■ 78.8842, 0.3579,
0.4588

■ 87.3882, 0.3210,
0.3499

■ 77.2901, 0.3643,
0.4842

■ 90.0941, 0.3111,
0.3251

■ 75.8863, 0.3684,
0.5066

■ 91.9596, 0.3111,
0.3174

■ 74.6595, 0.3701,
0.5248

■ 92.5927, 0.3133,
0.3175

■ 73.5937, 0.3693,
0.5382

■ 72.6669, 0.3661,
0.5468

■ 72.5261, 0.3655,
0.5480

Harmonies

Analogous

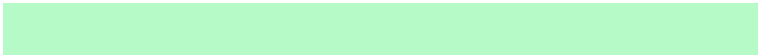
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6868, 0.3760, 0.3962



82.6868, 0.3408, 0.4037



82.6868, 0.2995, 0.3875

Triad

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



82.6868, 0.3408, 0.4037



82.6868, 0.2367, 0.2797



82.6868, 0.3627, 0.3057

Complementary

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



82.6868, 0.3408, 0.4037



48.3641, 0.2783, 0.2499

Split Complementary

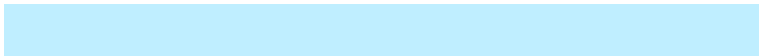
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6868, 0.3220, 0.2791



82.6868, 0.3408, 0.4037



82.6868, 0.2508, 0.2635

Square

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



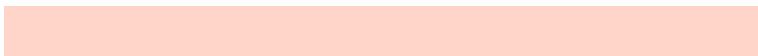
82.6868, 0.3408, 0.4037



82.6868, 0.2410, 0.3114



82.6868, 0.2812, 0.2639



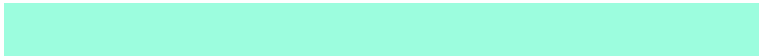
82.6868, 0.3900, 0.3385

Rectangle

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



82.6868, 0.3408, 0.4037



82.6868, 0.2742, 0.3652



82.6868, 0.2812, 0.2639



82.6868, 0.3499, 0.2959

Sweetspot

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



82.6904, 0.3408, 0.4037



97.3039, 0.3217, 0.3515



61.0180, 0.3692, 0.3516



20.7382, 0.3231, 0.3553



0.0000, 0.0000, 0.0000



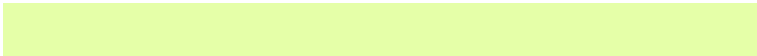
21.4041, 0.3127, 0.3290

Same Dimension

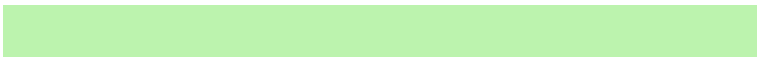
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6904, 0.3408, 0.4037



90.9380, 0.3461, 0.4196



77.8373, 0.3176, 0.4094



19.0448, 0.3221, 0.3527



39.8719, 0.3664, 0.5473



3.5581, 0.3732, 0.5419

Inverse Universe

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



48.3641, 0.2783, 0.2499



46.9086, 0.2697, 0.2319



53.4442, 0.3049, 0.2558



16.1721, 0.3027, 0.3049



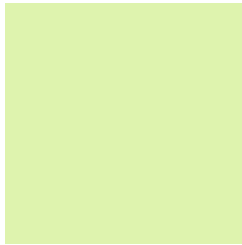
4.4170, 0.1708, 0.0715



0.4399, 0.1840, 0.0787

Previews

White Background



This preview shows how the Yxy color 82.6868, 0.3408, 0.4037 looks on a white background.

Color Contrast Check

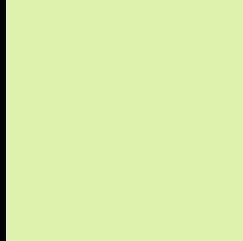
Large Text (above 18pt) WCAG AA × Fail

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 82.6868, 0.3408, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

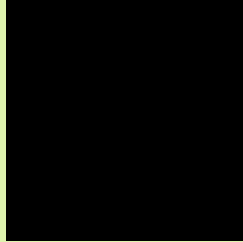
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

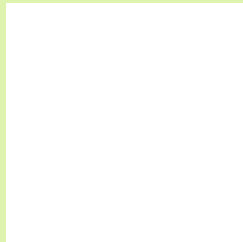
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6868, 0.3408, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 82.6868, 0.3408, 0.4037.

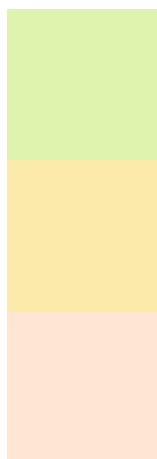


This preview shows how white text looks on a background with the Yxy color 82.6868, 0.3408, 0.4037.

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

82.6868, 0.3408, 0.4037

Protanopia

82.4434, 0.3673, 0.3942

Deuteranopia

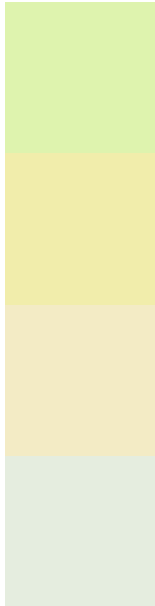
82.5068, 0.3435, 0.3492



Tritanopia

82.5665, 0.3017, 0.3107

Trichromacy



Original Color

82.6868, 0.3408, 0.4037

Protanomaly

82.2094, 0.3577, 0.3979

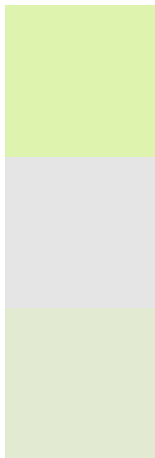
Deuteranomaly

82.5026, 0.3427, 0.3684

Tritanomaly

82.5541, 0.3160, 0.3437

Monochromacy



Original Color

82.6868, 0.3408, 0.4037

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.6178, 0.3230, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6868, 0.3408, 0.4037 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(222, 243, 174)` looks like.

```
.text, #text, p{  
    color:rgb(222, 243, 174)  
}
```

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(222, 243, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 243, 174) }
```

Border

The CSS property to change the border of an element to Yxy 82.6868, 0.3408, 0.4037 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(222, 243, 174) }
```

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

```
.border{ border-color:rgb(222, 243, 174) }
```

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

Here you see how a box with a 4 pixel rgb(222, 243, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 243, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 243, 174);  
box-shadow:4px 4px 4px 4px rgb(222, 243,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6868, 0.3408, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 243, 174) }
```

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

```
.background{ background-color: rgb(222,  
243, 174) }
```

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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