

Converting Colors

$Yxy(77.3241, 0.3307, 0.3905)$

Have a look what the booklet for
Yxy(77.3241, 0.3307, 0.3905)
contains.

Yxy(77.3241, 0.3307, 0.3905)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3241, 0.3307, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	D4ECB5
RGB	212, 236, 181
RGB Percent	83%, 93%, 71%
CMY	0.1688, 0.0745, 0.2901
CMYK	0.10, 0.00, 0.23, 0.07
HSL	86°, 59%, 82%
HSV	86°, 23%, 93%
XYZ	65.4829, 77.3241, 55.2060
YIQ	222.5540, 3.3510, -22.1930

Conversions

Conversions Part 2

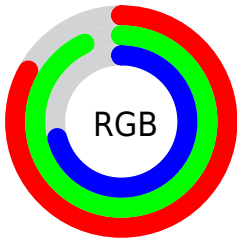
Format	Color
RYB	181, 236, 205
Decimal	13954229
CIELab	90.47, -17.32, 24.09
CIELCh	90, 29.671, 125.716
Yxy	77.3241, 0.3307, 0.3905
Android (android.graphics.Color)	4292144309 (0xFFD4ECB5)
YUV	222.5540, -20.4861, -9.2559
Hunter-Lab	87.9341, -20.9591, 24.3310

Details

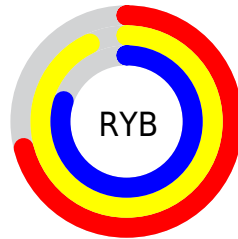
The Yxy color **77.3241, 0.3307, 0.3905** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.1075, 0.2910, 0.2667**, and the grayscale version is **73.6051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **41.3691, 0.3342, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **74.9541, 0.3379, 0.4194**, and if you desaturate by 10%, it is **79.9630, 0.3231, 0.3629**.

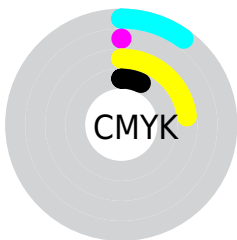
Distribution



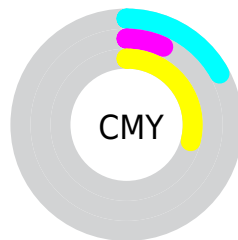
- Red (83%)
- Green (93%)
- Blue (71%)



- Red (71%)
- Yellow (93%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)





- Cyan (17%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3241, 0.3307, 0.3905 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 77.3241, 0.3307, 0.3905 by changing the saturation by 10% instead.


 77.3241, 0.3307,
0.3905

 77.3241, 0.3307,
0.3905


485.8683, 0.3230,
0.3615

 57.5189, 0.3323,
0.3972


 129.5969, 0.3281,
0.3804

 41.4220, 0.3342,
0.4056


162.8333, 0.3271,
0.3764

 28.6490, 0.3364,
0.4162


201.3155, 0.3262,
0.3731

 18.8154, 0.3391,
0.4302

245.4280, 0.3254,
0.3702

 11.5370, 0.3422,
0.4493

295.5551, 0.3247,
0.3676

 6.4292, 0.3455,
0.4769

352.0813, 0.3241,

 3.1078, 0.3485,

0.3653

0.5204

415.3909, 0.3235,
0.3633

■ 1.1883, 0.3636,
0.6364

■ 0.0521, 0.0000,
1.0000

■ 77.3241, 0.3307,
0.3905

■ 77.3241, 0.3307,
0.3905

■ 74.9541, 0.3379,
0.4194

■ 79.9630, 0.3231,
0.3629

■ 72.8328, 0.3442,
0.4488

■ 82.8702, 0.3153,
0.3371

■ 70.9528, 0.3491,
0.4774

■ 86.0579, 0.3076,
0.3133

■ 69.3022, 0.3522,
0.5040

■ 88.1476, 0.3124,
0.3107

■ 67.8679, 0.3532,
0.5272

■ 88.4776, 0.3136,
0.3107

■ 66.6350, 0.3517,
0.5455

■ 65.5858, 0.3479,
0.5585

■ 64.9680, 0.3445,
0.5646

Harmonies

Analogous

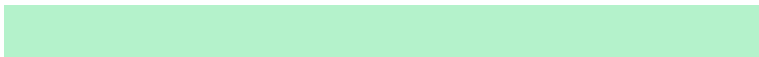
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3241, 0.3619, 0.3882



77.3241, 0.3307, 0.3905



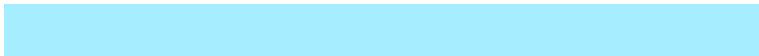
77.3241, 0.2958, 0.3734

Triad

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



77.3241, 0.3307, 0.3905



77.3241, 0.2490, 0.2840



77.3241, 0.3600, 0.3142

Complementary

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



77.3241, 0.3307, 0.3905



52.1075, 0.2910, 0.2667

Split Complementary

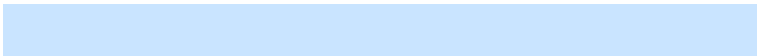
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3241, 0.3272, 0.2899



77.3241, 0.3307, 0.3905



77.3241, 0.2639, 0.2723

Square

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



77.3241, 0.3307, 0.3905



77.3241, 0.2499, 0.3091



77.3241, 0.2919, 0.2748



77.3241, 0.3799, 0.3428

Rectangle

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



77.3241, 0.3307, 0.3905



77.3241, 0.2752, 0.3536



77.3241, 0.2919, 0.2748



77.3241, 0.3500, 0.3053

Sweetspot

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



77.3275, 0.3307, 0.3905



97.4527, 0.3182, 0.3465



64.7665, 0.3551, 0.3552



20.8135, 0.3186, 0.3480



0.0000, 0.0000, 0.0000



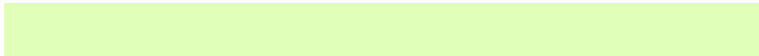
21.4041, 0.3127, 0.3290

Same Dimension

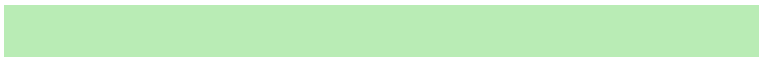
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3275, 0.3307, 0.3905



90.7755, 0.3342, 0.4043



73.6118, 0.3120, 0.3942



17.2802, 0.3201, 0.3527



35.8856, 0.3456, 0.5638



2.8747, 0.3554, 0.5560

Inverse Universe

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



52.1075, 0.2910, 0.2667



55.7554, 0.2856, 0.2524



56.3315, 0.3125, 0.2706



14.8711, 0.3048, 0.3051



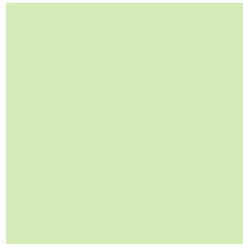
5.0080, 0.1909, 0.0825



0.4493, 0.2063, 0.0910

Previews

White Background



This preview shows how the Yxy color 77.3241, 0.3307, 0.3905 looks on a white background.

Color Contrast Check

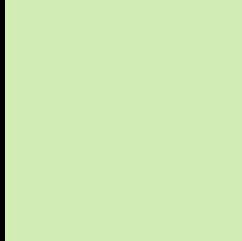
Large Text (above 18pt) WCAG AA × Fail

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 77.3241, 0.3307, 0.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

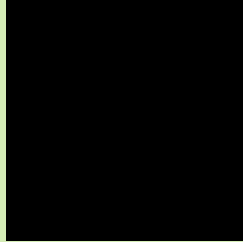
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

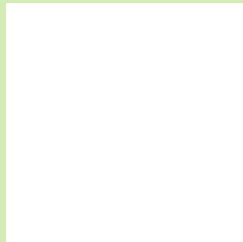
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3241, 0.3307, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 77.3241, 0.3307, 0.3905.

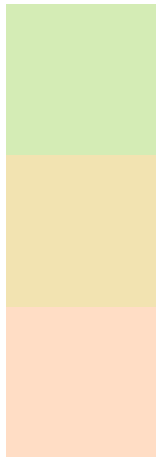


This preview shows how white text looks on a background with the Yxy color 77.3241, 0.3307, 0.3905.

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

77.3241, 0.3307, 0.3905

Protanopia

76.9897, 0.3571, 0.3818

Deuteranopia

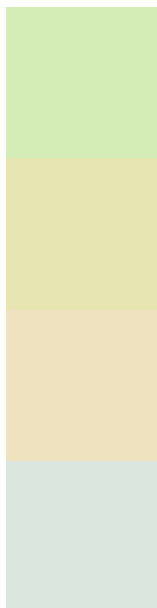
77.0041, 0.3543, 0.3536



Tritanopia

76.9029, 0.2974, 0.3101

Trichromacy



Original Color

77.3241, 0.3307, 0.3905

Protanomaly

76.7969, 0.3475, 0.3852

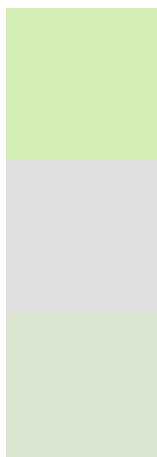
Deuteranomaly

76.5050, 0.3455, 0.3661

Tritanomaly

76.7730, 0.3096, 0.3376

Monochromacy



Original Color

77.3241, 0.3307, 0.3905

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.1009, 0.3193, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3241, 0.3307, 0.3905 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(212, 236, 181)` looks like.

```
.text, #text, p{  
    color:rgb(212, 236, 181)  
}
```

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(212, 236, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 236, 181) }
```

Border

The CSS property to change the border of an element to Yxy 77.3241, 0.3307, 0.3905 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(212, 236, 181) }
```

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

```
.border{ border-color:rgb(212, 236, 181) }
```

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

Here you see how a box with a 4 pixel rgb(212, 236, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 236, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 236, 181);  
box-shadow:4px 4px 4px 4px rgb(212, 236,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3241, 0.3307, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 236, 181) }
```

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

```
.background{ background-color: rgb(212,  
236, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor