

Converting Colors

$Yxy(76.3034, 0.3337, 0.4023)$

Have a look what the booklet for
Yxy(76.3034, 0.3337, 0.4023)
contains.

Yxy(76.3411, 0.3341, 0.4026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.3411, 0.3341, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	D0ECAB
RGB	208, 236, 171
RGB Percent	82%, 93%, 67%
CMY	0.1844, 0.0745, 0.3294
CMYK	0.12, 0.00, 0.28, 0.07
HSL	86°, 63%, 80%
HSV	86°, 28%, 93%
XYZ	63.3521, 76.3411, 49.9270
YIQ	220.2180, 4.1770, -26.1510

Conversions

Conversions Part 2

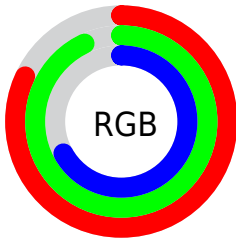
Format	Color
RYB	171, 236, 199
Decimal	13692075
CIELab	90.02, -20.21, 28.56
CIElCh	90, 34.991, 125.282
Yxy	76.3411, 0.3341, 0.4026
Android (android.graphics.Color)	4291882155 (0xFFD0ECAB)
YUV	220.2180, -24.2645, -10.7152
Hunter-Lab	87.3734, -23.4779, 27.2818

Details

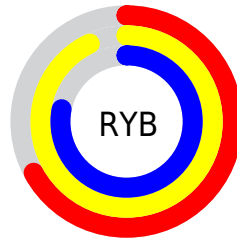
The Yxy color **76.3411, 0.3341, 0.4026** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **47.3349, 0.2860, 0.2541**, and the grayscale version is **71.8994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **40.7228, 0.3384, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **74.0946, 0.3411, 0.4318**, and if you desaturate by 10%, it is **78.8497, 0.3265, 0.3744**.

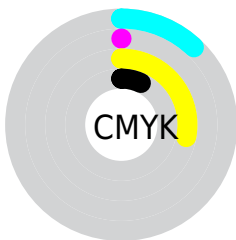
Distribution



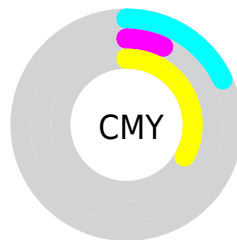
- Red (82%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (18%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3411, 0.3341, 0.4026 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 76.3411, 0.3341, 0.4026 by changing the saturation by 10% instead.

 76.3411, 0.3341,
0.4026

 76.3411, 0.3341,
0.4026


482.5145, 0.3250,
0.3677

 56.7123, 0.3359,
0.4107


 128.2090, 0.3311,
0.3904

 40.7743, 0.3380,
0.4208


161.2168, 0.3299,
0.3857

 28.1427, 0.3405,
0.4336

199.4530, 0.3289,
0.3816

 18.4333, 0.3433,
0.4505

243.3021, 0.3279,
0.3781

 11.2615, 0.3463,
0.4736

293.1483, 0.3271,
0.3750

 6.2430, 0.3488,
0.5066


349.3763, 0.3263,


 2.9934, 0.3545,


0.3723


0.5668

412.3702, 0.3257,
0.3699

 1.1283, 0.3320,
0.6680

 0.0019, 0.0000,
1.0000


 76.3411, 0.3341,
0.4026


 76.3411, 0.3341,
0.4026


 74.0946, 0.3411,
0.4318


 78.8497, 0.3265,
0.3744


 72.0900, 0.3469,
0.4609

 81.6200, 0.3186,
0.3478

 70.3193, 0.3513,
0.4888

 84.6645, 0.3108,
0.3231

 68.7703, 0.3536,
0.5139

 87.3028, 0.3094,
0.3105

■ 67.4294, 0.3536,
0.5351

■ 88.4787, 0.3136,
0.3107

■ 66.2807, 0.3512,
0.5511

■ 65.3036, 0.3466,
0.5618

■ 65.0826, 0.3454,
0.5639

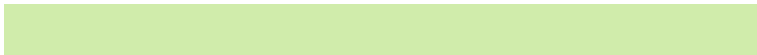
Harmonies

Analogous

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



76.3411, 0.3710, 0.3987



76.3411, 0.3341, 0.4026



76.3411, 0.2930, 0.3827

Triad

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



76.3411, 0.3341, 0.4026



76.3411, 0.2379, 0.2760



76.3411, 0.3683, 0.3108

Complementary

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



76.3411, 0.3341, 0.4026



47.3349, 0.2860, 0.2541

Split Complementary

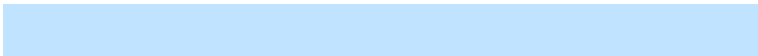
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3411, 0.3290, 0.2829



76.3411, 0.3341, 0.4026



76.3411, 0.2549, 0.2626

Square

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



76.3411, 0.3341, 0.4026



76.3411, 0.2392, 0.3054



76.3411, 0.2874, 0.2656



76.3411, 0.3923, 0.3441

Rectangle

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



76.3411, 0.3341, 0.4026



76.3411, 0.2687, 0.3588



76.3411, 0.2874, 0.2656



76.3411, 0.3563, 0.3006

Sweetspot

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



76.3444, 0.3341, 0.4026



97.1239, 0.3190, 0.3490



61.2066, 0.3647, 0.3591



20.6778, 0.3202, 0.3530



0.0000, 0.0000, 0.0000



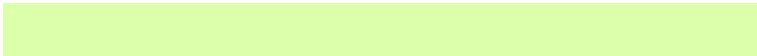
21.4041, 0.3127, 0.3290

Same Dimension

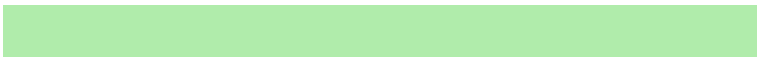
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3444, 0.3341, 0.4026



89.4673, 0.3381, 0.4189



72.2189, 0.3125, 0.4077



17.2847, 0.3202, 0.3527



35.9480, 0.3465, 0.5631



2.8794, 0.3562, 0.5554

Inverse Universe

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



47.3349, 0.2860, 0.2541



49.5769, 0.2792, 0.2372



52.1074, 0.3115, 0.2595



14.8667, 0.3047, 0.3051



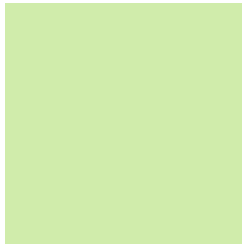
4.9626, 0.1899, 0.0820



0.4455, 0.2053, 0.0905

Previews

White Background



This preview shows how the Yxy color 76.3411, 0.3341, 0.4026 looks on a white background.

Color Contrast Check

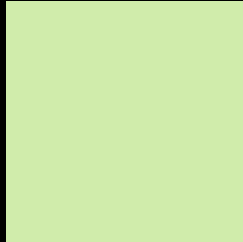
Large Text (above 18pt) WCAG AA × Fail

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 76.3411, 0.3341, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

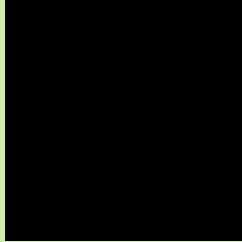
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3411, 0.3341, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 76.3411, 0.3341, 0.4026.

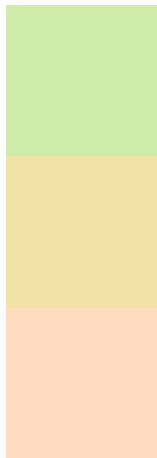


This preview shows how white text looks on a background with the Yxy color 76.3411, 0.3341, 0.4026.

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

76.3411, 0.3341, 0.4026

Protanopia

76.2006, 0.3657, 0.3922

Deuteranopia

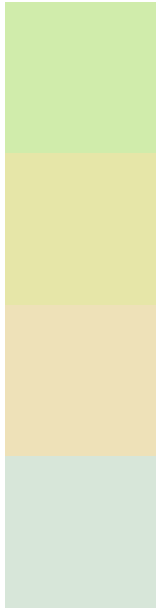
75.6846, 0.3591, 0.3578



Tritanopia

75.9844, 0.2967, 0.3100

Trichromacy



Original Color

76.3411, 0.3341, 0.4026

Protanomaly

76.2438, 0.3534, 0.3962

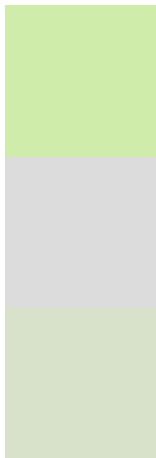
Deuteranomaly

75.4883, 0.3498, 0.3728

Tritanomaly

76.0505, 0.3107, 0.3432

Monochromacy



Original Color

76.3411, 0.3341, 0.4026

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.2559, 0.3213, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3411, 0.3341, 0.4026 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(208, 236, 171)` looks like.

```
.text, #text, p{  
    color:rgb(208, 236, 171)  
}
```

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(208, 236, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 236, 171) }
```

Border

The CSS property to change the border of an element to Yxy 76.3411, 0.3341, 0.4026 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(208, 236, 171) }
```

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

```
.border{ border-color:rgb(208, 236, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 236, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 236, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 236, 171);  
box-shadow:4px 4px 4px 4px rgb(208, 236,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3411, 0.3341, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 236, 171) }
```

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

```
.background{ background-color: rgb(208,  
236, 171) }
```

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