

Converting Colors

$Yxy(77.0328, 0.3502, 0.4150)$

Have a look what the booklet for
Yxy(77.0328, 0.3502, 0.4150)
contains.

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Color

Yxy(76.9454, 0.3503, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	DBEB9E
RGB	219, 235, 158
RGB Percent	86%, 92%, 62%
CMY	0.1412, 0.0784, 0.3803
CMYK	0.07, 0.00, 0.33, 0.08
HSL	72°, 66%, 77%
HSV	72°, 33%, 92%
XYZ	65.0905, 76.9454, 43.7777
YIQ	221.4380, 15.1810, -27.3390

Conversions

Conversions Part 2

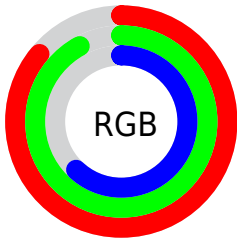
Format	Color
RYB	158, 235, 174
Decimal	14412702
CIELab	90.30, -17.45, 35.66
CIELCh	90, 39.699, 116.083
Yxy	76.9454, 0.3503, 0.4141
Android (android.graphics.Color)	4292602782 (0xFFDBEB9E)
YUV	221.4380, -31.2749, -2.1381
Hunter-Lab	87.7185, -21.0536, 31.8131

Details

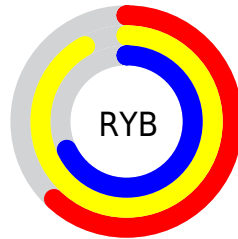
The Yxy color **76.9454, 0.3503, 0.4141** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.4641, 0.2660, 0.2349**, and the grayscale version is **72.8476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **41.0673, 0.3573, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **75.4676, 0.3608, 0.4405**, and if you desaturate by 10%, it is **78.6071, 0.3390, 0.3873**.

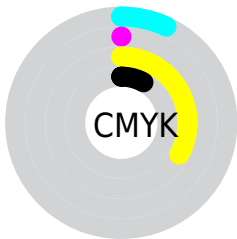
Distribution



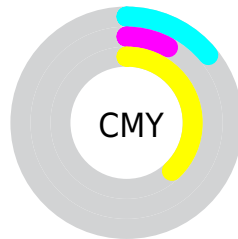
- Red (86%)
- Green (92%)
- Blue (62%)



- Red (62%)
- Yellow (92%)
- Blue (68%)



- Cyan (7%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)





- Cyan (14%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9454, 0.3503, 0.4141 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 76.9454, 0.3503, 0.4141 by changing the saturation by 10% instead.


 76.9454, 0.3503,
0.4141


 76.9454, 0.3503,
0.4141


484.5778, 0.3341,
0.3742

 57.2081, 0.3536,
0.4232

 129.0624, 0.3450,
0.4002

 41.1723, 0.3575,
0.4345


 162.2109, 0.3428,
0.3948

 28.4537, 0.3621,
0.4487


200.5985, 0.3409,
0.3902

 18.6680, 0.3674,
0.4670

244.6097, 0.3392,
0.3861

 11.4306, 0.3733,
0.4913

294.6288, 0.3377,
0.3826

 6.3573, 0.3788,
0.5245

351.0403, 0.3364,

 3.0635, 0.3999,

0.3795

0.6001

414.2285, 0.3352,
0.3767

■ 1.1650, 0.3607,
0.6393

■ 0.0328, 0.0000,
1.0000

■ 76.9454, 0.3503,
0.4141

■ 76.9454, 0.3503,
0.4141

■ 75.4676, 0.3608,
0.4405

■ 78.6071, 0.3390,
0.3873

■ 74.1543, 0.3699,
0.4654


■ 80.4508, 0.3274,
0.3610

■ 72.9992, 0.3771,
0.4877


■ 82.4877, 0.3159,
0.3357

■ 71.9910, 0.3819,
0.5063


■ 84.7250, 0.3046,
0.3120

 71.1171, 0.3842,
0.5206

 85.7762, 0.3060,
0.3093

 70.3618, 0.3839,
0.5301

 86.6604, 0.3092,
0.3095

 69.8718, 0.3824,
0.5346

 87.5681, 0.3125,
0.3097

 87.9022, 0.3136,
0.3097

Harmonies

Analogous

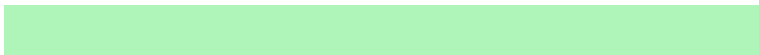
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9454, 0.3882, 0.4013



76.9454, 0.3503, 0.4141



76.9454, 0.3040, 0.4001

Triad

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



76.9454, 0.3503, 0.4141



76.9454, 0.2271, 0.2772



76.9454, 0.3631, 0.2979

Complementary

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



76.9454, 0.3503, 0.4141



39.4641, 0.2660, 0.2349

Split Complementary

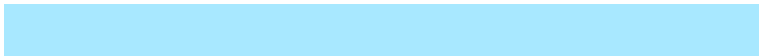
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9454, 0.3160, 0.2700



76.9454, 0.3503, 0.4141



76.9454, 0.2399, 0.2569

Square

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



76.9454, 0.3503, 0.4141



76.9454, 0.2347, 0.3149



76.9454, 0.2713, 0.2551



76.9454, 0.3972, 0.3337

Rectangle

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



76.9454, 0.3503, 0.4141



76.9454, 0.2748, 0.3763



76.9454, 0.2713, 0.2551



76.9454, 0.3481, 0.2874

Sweetspot

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



76.9488, 0.3503, 0.4141



97.4721, 0.3243, 0.3540



50.1813, 0.3831, 0.3466



20.7911, 0.3259, 0.3576



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.



76.9488, 0.3503, 0.4141



91.4476, 0.3571, 0.4311



71.7296, 0.3233, 0.4219



17.4595, 0.3236, 0.3525



38.9397, 0.3830, 0.5341



3.0974, 0.3883, 0.5299

Inverse Universe

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



39.4641, 0.2660, 0.2349



40.1060, 0.2547, 0.2136



44.4439, 0.2968, 0.2427



14.7000, 0.3012, 0.3049



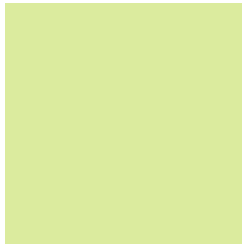
3.7445, 0.1606, 0.0659



0.3343, 0.1734, 0.0729

Previews

White Background



This preview shows how the Yxy color 76.9454, 0.3503, 0.4141 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 76.9454, 0.3503, 0.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

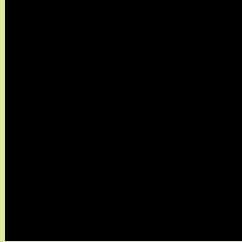
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9454, 0.3503, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 76.9454, 0.3503, 0.4141.

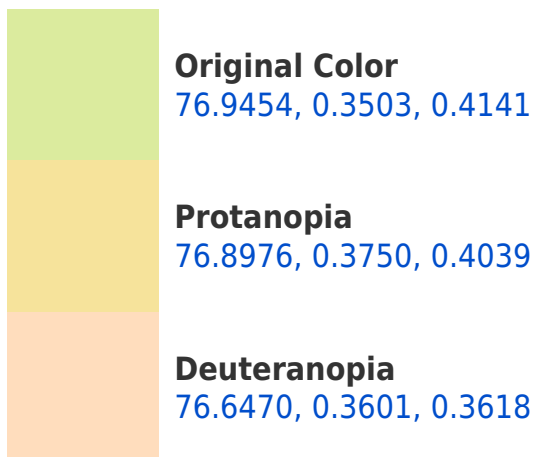


This preview shows how white text looks on a background with the Yxy color 76.9454, 0.3503, 0.4141.

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

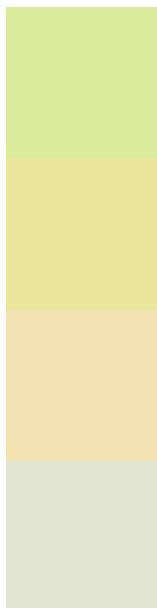




Tritanopia

76.5451, 0.3053, 0.3103

Trichromacy



Original Color

76.9454, 0.3503, 0.4141

Protanomaly

76.8268, 0.3657, 0.4079

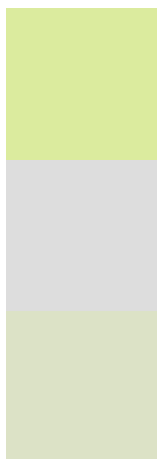
Deuteranomaly

76.4843, 0.3567, 0.3797

Tritanomaly

76.3587, 0.3223, 0.3473

Monochromacy



Original Color

76.9454, 0.3503, 0.4141

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.6856, 0.3268, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9454, 0.3503, 0.4141 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(219, 235, 158)` looks like.

```
.text, #text, p{  
    color:rgb(219, 235, 158)  
}
```

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(219, 235, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 235, 158) }
```

Border

The CSS property to change the border of an element to Yxy 76.9454, 0.3503, 0.4141 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(219, 235, 158) }
```

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

```
.border{ border-color:rgb(219, 235, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 235, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 235, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 235, 158);  
box-shadow:4px 4px 4px 4px rgb(219, 235,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9454, 0.3503, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 235, 158) }
```

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

```
.background{ background-color: rgb(219,  
235, 158) }
```

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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