

Converting Colors

$Yxy(76.9691, 0.3460, 0.4197)$

Have a look what the booklet for
Yxy(76.9691, 0.3460, 0.4197)
contains.

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Color

Yxy(76.9657, 0.3460, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	D4ED9C
RGB	212, 237, 156
RGB Percent	83%, 93%, 61%
CMY	0.1684, 0.0706, 0.3882
CMYK	0.11, 0.00, 0.34, 0.07
HSL	78°, 69%, 77%
HSV	78°, 34%, 93%
XYZ	63.4504, 76.9657, 42.9666
YIQ	220.2910, 11.1010, -30.4910

Conversions

Conversions Part 2

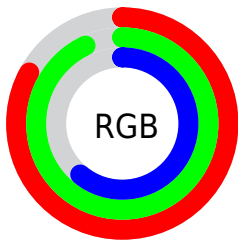
Format	Color
RYB	156, 237, 181
Decimal	13954460
CIELab	90.31, -21.23, 36.59
CIELCh	90, 42.301, 120.121
Yxy	76.9657, 0.3460, 0.4197
Android (android.graphics.Color)	4292144540 (0xFFD4ED9C)
YUV	220.2910, -31.6955, -7.2712
Hunter-Lab	87.7301, -24.4283, 32.3733

Details

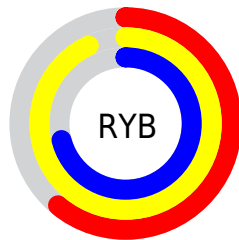
The Yxy color **76.9657, 0.3460, 0.4197** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.7089, 0.2698, 0.2319**, and the grayscale version is **72.0132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **41.1151, 0.3514, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **75.1828, 0.3545, 0.4473**, and if you desaturate by 10%, it is **78.9610, 0.3366, 0.3919**.

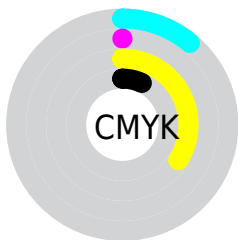
Distribution



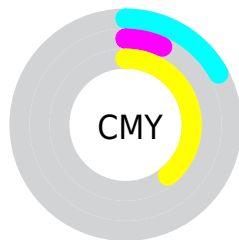
- Red (83%)
- Green (93%)
- Blue (61%)



- Red (61%)
- Yellow (93%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (34%)
- Black (7%)




- Cyan (17%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9657, 0.3460, 0.4197 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 76.9657, 0.3460, 0.4197 by changing the saturation by 10% instead.


 76.9657, 0.3460,
0.4197

 76.9657, 0.3460,
0.4197


484.6471, 0.3319,
0.3769

 57.2247, 0.3488,
0.4296


 129.0911, 0.3414,
0.4048

 41.1857, 0.3520,
0.4417


 162.2442, 0.3396,
0.3990

 28.4642, 0.3557,
0.4571


200.6369, 0.3379,
0.3940

 18.6759, 0.3597,
0.4770

244.6536, 0.3365,
0.3897

 11.4363, 0.3637,
0.5036

294.6785, 0.3351,
0.3859

 6.3611, 0.3664,
0.5401

351.0961, 0.3340,

 3.0659, 0.3803,

0.3825

0.6197

414.2908, 0.3329,
0.3796

■ 1.1662, 0.3268,
0.6732

■ 0.0339, 0.0000,
1.0000

■ 76.9657, 0.3460,
0.4197

■ 76.9657, 0.3460,
0.4197

■ 75.1828, 0.3545,
0.4473

■ 78.9610, 0.3366,
0.3919

■ 73.5924, 0.3615,
0.4737


■ 81.1675, 0.3267,
0.3649

■ 72.1870, 0.3667,
0.4975


■ 83.5971, 0.3168,
0.3392

■ 70.9547, 0.3694,
0.5177

■ 86.2577, 0.3071,
0.3153

 69.8816, 0.3696,
0.5333

 87.8362, 0.3093,
0.3114

 68.9509, 0.3673,
0.5438

 89.0419, 0.3135,
0.3117

 68.4596, 0.3652,
0.5482

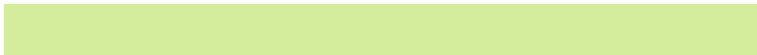
Harmonies

Analogous

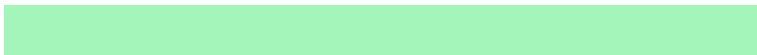
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9657, 0.3884, 0.4089



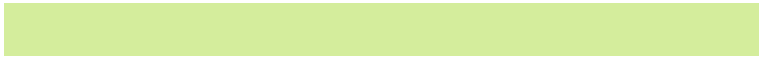
76.9657, 0.3460, 0.4197



76.9657, 0.2966, 0.4008

Triad

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



76.9657, 0.3460, 0.4197



76.9657, 0.2226, 0.2697



76.9657, 0.3724, 0.3007

Complementary

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



76.9657, 0.3460, 0.4197



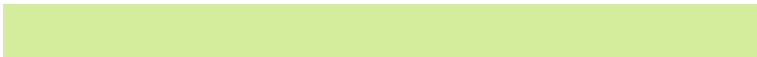
39.7089, 0.2698, 0.2319

Split Complementary

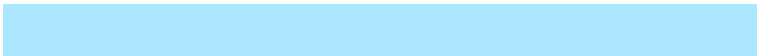
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9657, 0.3231, 0.2698



76.9657, 0.3460, 0.4197



76.9657, 0.2389, 0.2512

Square

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



76.9657, 0.3460, 0.4197



76.9657, 0.2276, 0.3074



76.9657, 0.2744, 0.2520



76.9657, 0.4058, 0.3390

Rectangle

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



76.9657, 0.3460, 0.4197



76.9657, 0.2666, 0.3733



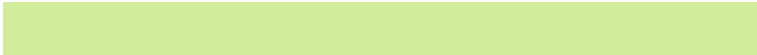
76.9657, 0.2744, 0.2520



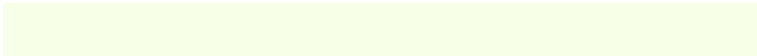
76.9657, 0.3569, 0.2892

Sweetspot

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



76.9691, 0.3460, 0.4197



97.0068, 0.3226, 0.3541



53.1678, 0.3842, 0.3564



20.6781, 0.3240, 0.3578



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.



76.9691, 0.3460, 0.4197



89.3962, 0.3521, 0.4391



71.7562, 0.3183, 0.4282



17.3809, 0.3221, 0.3526



37.4527, 0.3661, 0.5475



2.9912, 0.3736, 0.5415

Inverse Universe

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



39.7089, 0.2698, 0.2319



39.1984, 0.2588, 0.2093



45.2330, 0.3028, 0.2406



14.7737, 0.3028, 0.3050



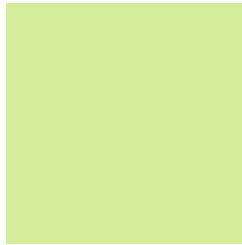
4.1711, 0.1713, 0.0717



0.3766, 0.1861, 0.0799

Previews

White Background



This preview shows how the Yxy color 76.9657, 0.3460, 0.4197 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 76.9657, 0.3460, 0.4197 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 76.9657, 0.3460, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 76.9657, 0.3460, 0.4197.

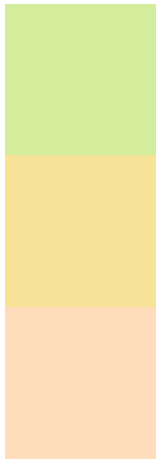


This preview shows how white text looks on a background with the Yxy color 76.9657, 0.3460, 0.4197.

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

76.9657, 0.3460, 0.4197

Protanopia

76.7980, 0.3770, 0.4069

Deuteranopia

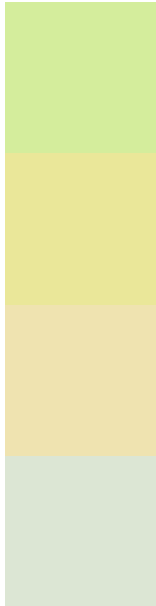
76.6037, 0.3608, 0.3628



Tritanopia

76.7717, 0.3000, 0.3102

Trichromacy



Original Color

76.9657, 0.3460, 0.4197

Protanomaly

76.9442, 0.3658, 0.4124

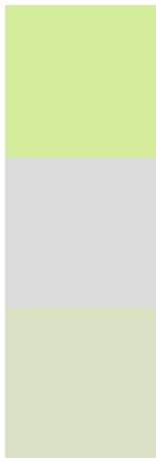
Deuteranomaly

76.4235, 0.3556, 0.3832

Tritanomaly

76.5627, 0.3173, 0.3486

Monochromacy



Original Color

76.9657, 0.3460, 0.4197

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.1756, 0.3253, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9657, 0.3460, 0.4197 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, 237, 156)` looks like.

```
.text, #text, p{  
    color:rgb(212, 237, 156)  
}
```

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, 237, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 237, 156) }
```

Border

The CSS property to change the border of an element to Yxy 76.9657, 0.3460, 0.4197 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, 237, 156) }
```

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

```
.border{ border-color:rgb(212, 237, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 237, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 237, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 237, 156);  
box-shadow:4px 4px 4px 4px rgb(212, 237,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9657, 0.3460, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 237, 156) }
```

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

```
.background{ background-color: rgb(212,  
237, 156) }
```

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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