

Converting Colors

$Yxy(76.1667, 0.3448, 0.4090)$

Have a look what the booklet for
Yxy(76.1667, 0.3448, 0.4090)
contains.

Yxy(75.9371, 0.3445, 0.4084)	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(75.9371, 0.3445, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	D7EAA3
RGB	215, 234, 163
RGB Percent	84%, 92%, 64%
CMY	0.1569, 0.0823, 0.3607
CMYK	0.08, 0.00, 0.30, 0.08
HSL	76°, 63%, 78%
HSV	76°, 30%, 92%
XYZ	64.0557, 75.9371, 45.9453
YIQ	220.2250, 11.4670, -26.1090

Conversions

Conversions Part 2

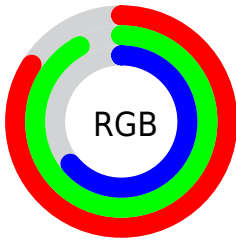
Format	Color
R _{YB}	163, 234, 182
Decimal	14150307
CIE Lab	89.83, -17.79, 32.45
CIE LCh	90, 37.012, 118.732
Yxy	75.9371, 0.3445, 0.4084
Android (android.graphics.Color)	4292340387 (0xFFD7EAA3)
YUV	220.2250, -28.2119, -4.5823
Hunter-Lab	87.1419, -21.2878, 29.7389

Details

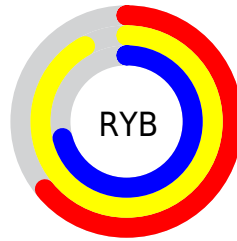
The Yxy color $75.9371, 0.3445, 0.4084$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $42.0991, 0.2734, 0.2436$, and the grayscale version is $71.9317, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.8420, 0.3345, 0.3651$, and $40.3594, 0.3500, 0.4269$ is the 20% darker color. If you saturate the color by 10%, you get $74.2460, 0.3541, 0.4357$, and if you desaturate by 10%, it is $77.8266, 0.3342, 0.3812$.

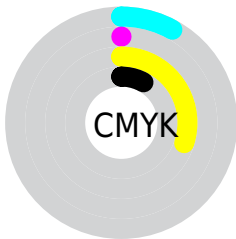
Distribution



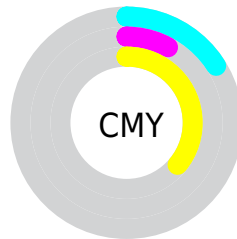
- Red (84%)
- Green (92%)
- Blue (64%)



- Red (64%)
- Yellow (92%)
- Blue (71%)



- Cyan (8%)
- Magenta (0%)
- Yellow (30%)
- Black (8%)





- Cyan (16%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9371, 0.3445, 0.4084 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 75.9371, 0.3445, 0.4084 by changing the saturation by 10% instead.

 75.9371, 0.3445,
0.4084


 75.9371, 0.3445,
0.4084


481.1324, 0.3308,
0.3710

 56.3809, 0.3473,
0.4170


 127.6380, 0.3400,
0.3953

 40.5084, 0.3507,
0.4277


 160.5515, 0.3381,
0.3903

 27.9352, 0.3546,
0.4413


198.6862, 0.3365,
0.3859

 18.2768, 0.3592,
0.4589

242.4266, 0.3351,
0.3821

 11.1489, 0.3643,
0.4826

292.1570, 0.3338,
0.3788

 6.1671, 0.3693,
0.5158


348.2619, 0.3327,

 2.9469, 0.3874,


0.3759


0.5884


411.1255, 0.3317,
0.3733


 1.1041, 0.3521,
0.6479

 0.0000, 0.0000,
0.0000


 75.9371, 0.3445,
0.4084


 75.9371, 0.3445,
0.4084

 74.2460, 0.3541,
0.4357


 77.8266, 0.3342,
0.3812


 72.7342, 0.3625,
0.4620


 79.9126, 0.3236,
0.3548


 71.3952, 0.3691,
0.4862


 82.2064, 0.3131,
0.3298


 70.2182, 0.3735,
0.5071


 84.6094, 0.3039,
0.3081


 69.1907, 0.3754,
0.5237

 85.7270, 0.3080,
0.3084

 68.2980, 0.3747,
0.5355

 86.8830, 0.3121,
0.3087

 67.5393, 0.3720,
0.5429

 87.3310, 0.3137,
0.3088

Harmonies

Analogous

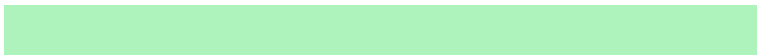
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9371, 0.3811, 0.3988



75.9371, 0.3445, 0.4084



75.9371, 0.3009, 0.3928

Triad

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



75.9371, 0.3445, 0.4084



75.9371, 0.2324, 0.2782



75.9371, 0.3634, 0.3026

Complementary

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



75.9371, 0.3445, 0.4084



42.0991, 0.2734, 0.2436

Split Complementary

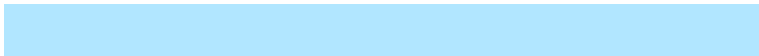
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9371, 0.3200, 0.2753



75.9371, 0.3445, 0.4084



75.9371, 0.2462, 0.2604

Square

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



75.9371, 0.3445, 0.4084



75.9371, 0.2379, 0.3124



75.9371, 0.2772, 0.2601



75.9371, 0.3935, 0.3369

Rectangle

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



75.9371, 0.3445, 0.4084



75.9371, 0.2739, 0.3696



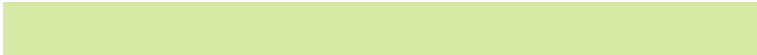
75.9371, 0.2772, 0.2601



75.9371, 0.3497, 0.2924

Sweetspot

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



75.9405, 0.3445, 0.4084



97.4607, 0.3222, 0.3515



53.5786, 0.3747, 0.3506



20.7769, 0.3238, 0.3552



0.0000, 0.0000, 0.0000



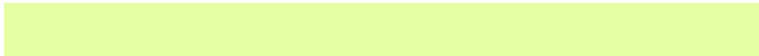
21.4041, 0.3127, 0.3290

Same Dimension

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



75.9405, 0.3445, 0.4084



91.0588, 0.3502, 0.4244



71.1510, 0.3195, 0.4150



17.4121, 0.3227, 0.3526



38.0148, 0.3727, 0.5423



3.0318, 0.3794, 0.5369

Inverse Universe

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



42.0991, 0.2734, 0.2436



44.1530, 0.2641, 0.2248



46.9671, 0.3023, 0.2504



14.7442, 0.3022, 0.3049



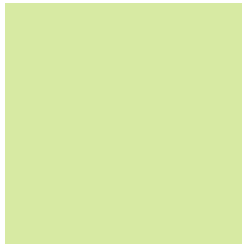
3.9798, 0.1666, 0.0691



0.3584, 0.1807, 0.0769

Previews

White Background



This preview shows how the Yxy color 75.9371, 0.3445, 0.4084 looks on a white background.

Color Contrast Check

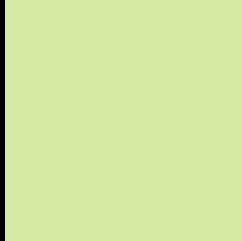
Large Text (above 18pt) WCAG AA × Fail

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 75.9371, 0.3445, 0.4084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

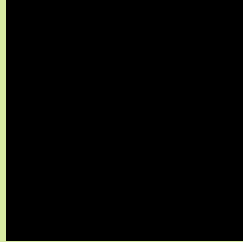
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

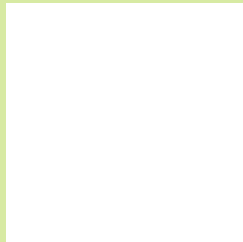
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9371, 0.3445, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 75.9371, 0.3445, 0.4084.

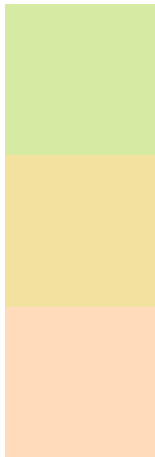


This preview shows how white text looks on a background with the Yxy color 75.9371, 0.3445, 0.4084.

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

75.9371, 0.3445, 0.4084

Protanopia

75.4083, 0.3707, 0.3985

Deuteranopia

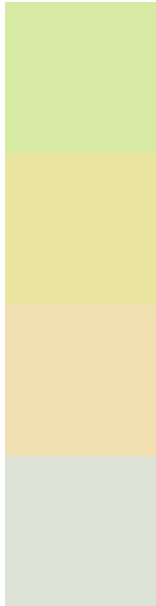
75.5109, 0.3620, 0.3619



Tritanopia

75.8909, 0.3026, 0.3102

Trichromacy



Original Color

75.9371, 0.3445, 0.4084

Protanomaly

75.3485, 0.3615, 0.4023

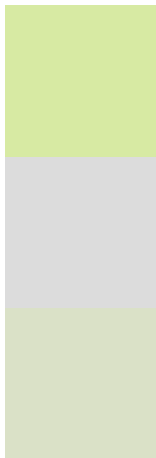
Deuteranomaly

75.0509, 0.3557, 0.3780

Tritanomaly

75.8205, 0.3182, 0.3453

Monochromacy



Original Color

75.9371, 0.3445, 0.4084

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.8794, 0.3248, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9371, 0.3445, 0.4084 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(215, 234, 163)` looks like.

```
.text, #text, p{  
    color:rgb(215, 234, 163)  
}
```

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(215, 234, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 234, 163) }
```

Border

The CSS property to change the border of an element to Yxy 75.9371, 0.3445, 0.4084 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(215, 234, 163) }
```

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

```
.border{ border-color:rgb(215, 234, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 234, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 234, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 234, 163);  
box-shadow:4px 4px 4px 4px rgb(215, 234,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9371, 0.3445, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 234, 163) }
```

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

```
.background{ background-color: rgb(215,  
234, 163) }
```

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