

Converting Colors

$Y_{xy}(75.6270, 0.3484, 0.4344)$

Have a look what the booklet for
Yxy(75.6270, 0.3484, 0.4344)
contains.

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Color

Yxy(75.7038, 0.3487, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	CEED90
RGB	206, 237, 144
RGB Percent	81%, 93%, 56%
CMY	0.1922, 0.0706, 0.4352
CMYK	0.13, 0.00, 0.39, 0.07
HSL	80°, 72%, 75%
HSV	80°, 39%, 93%
XYZ	60.7687, 75.7038, 37.7996
YIQ	217.1290, 11.3770, -35.4950

Conversions

Conversions Part 2

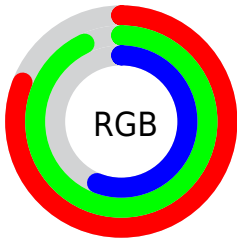
Format	Color
RYB	144, 237, 175
Decimal	13561232
CIELab	89.72, -24.95, 41.72
CIELCh	90, 48.610, 120.889
Yxy	75.7038, 0.3487, 0.4344
Android (android.graphics.Color)	4291751312 (0xFFCEED90)
YUV	217.1290, -36.0526, -9.7601
Hunter-Lab	87.0079, -27.5947, 35.1477

Details

The Yxy color **75.7038, 0.3487, 0.4344** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.1847, 0.2638, 0.2161**, and the grayscale version is **69.7277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **40.3045, 0.3542, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **73.9534, 0.3561, 0.4619**, and if you desaturate by 10%, it is **77.6700, 0.3402, 0.4063**.

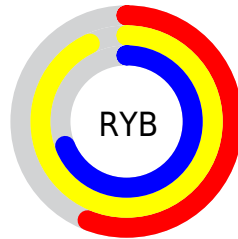
Distribution



Red (81%)

Green (93%)

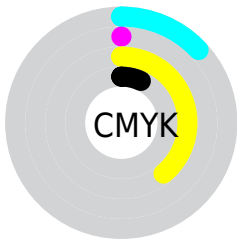
Blue (56%)



Red (56%)

Yellow (93%)

Blue (69%)

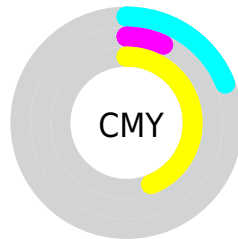


Cyan (13%)

Magenta (0%)

Yellow (39%)

Black (7%)



Cyan (19%)


Magenta (7%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7038, 0.3487, 0.4344 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 75.7038, 0.3487, 0.4344 by changing the saturation by 10% instead.


 75.7038, 0.3487,
0.4344


 75.7038, 0.3487,
0.4344


480.3331, 0.3339,
0.3844

 56.1897, 0.3515,
0.4459


 127.3081, 0.3440,
0.4169

 40.3550, 0.3546,
0.4601


 160.1671, 0.3420,
0.4102

 27.8154, 0.3579,
0.4781


198.2431, 0.3403,
0.4043

 18.1866, 0.3612,
0.5011

241.9206, 0.3387,
0.3993

 11.0840, 0.3636,
0.5316

291.5840, 0.3373,
0.3949

 6.1234, 0.3635,
0.5741


347.6176, 0.3361,

 2.9203, 0.3586,

0.3910


0.6414


410.4059, 0.3349,
0.3875


 1.0902, 0.2751,
0.7249


 0.0000, 0.0000,
0.0000


 75.7038, 0.3487,
0.4344


 75.7038, 0.3487,
0.4344


 73.9534, 0.3561,
0.4619


 77.6700, 0.3402,
0.4063

 72.3983, 0.3617,
0.4877

 79.8515, 0.3309,
0.3786

 71.0303, 0.3653,
0.5103


 82.2605, 0.3214,
0.3521

 69.8364, 0.3663,
0.5288


 84.9054, 0.3120,
0.3272

 68.8012, 0.3648,
0.5423

 87.3002, 0.3073,
0.3114

 67.9013, 0.3612,
0.5511

 88.7571, 0.3125,
0.3116

 67.8360, 0.3609,
0.5517

 89.0539, 0.3135,
0.3117

Harmonies

Analogous

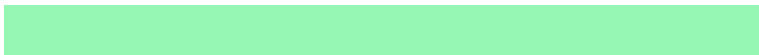
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7038, 0.3982, 0.4210



75.7038, 0.3487, 0.4344



75.7038, 0.2921, 0.4121

Triad

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



75.7038, 0.3487, 0.4344



75.7038, 0.2103, 0.2597



75.7038, 0.3830, 0.2973

Complementary

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



75.7038, 0.3487, 0.4344



35.1847, 0.2638, 0.2161

Split Complementary

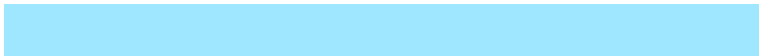
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7038, 0.3258, 0.2623



75.7038, 0.3487, 0.4344



75.7038, 0.2292, 0.2399

Square

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



75.7038, 0.3487, 0.4344



75.7038, 0.2151, 0.3019



75.7038, 0.2697, 0.2418



75.7038, 0.4210, 0.3406

Rectangle

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



75.7038, 0.3487, 0.4344



75.7038, 0.2581, 0.3792



75.7038, 0.2697, 0.2418



75.7038, 0.3650, 0.2844

Sweetspot

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



75.7072, 0.3487, 0.4344



96.2983, 0.3241, 0.3594



50.6851, 0.3971, 0.3640



20.5308, 0.3254, 0.3628



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.



75.7072, 0.3487, 0.4344



87.7224, 0.3547, 0.4564



70.0115, 0.3167, 0.4459



17.3607, 0.3217, 0.3526



37.1072, 0.3618, 0.5509



2.9660, 0.3699, 0.5445

Inverse Universe

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



35.1847, 0.2638, 0.2161



33.7198, 0.2512, 0.1906



41.5182, 0.3035, 0.2281



14.7931, 0.3032, 0.3050



4.3117, 0.1747, 0.0736



0.3895, 0.1898, 0.0819

Previews

White Background



This preview shows how the Yxy color 75.7038, 0.3487, 0.4344 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 75.7038, 0.3487, 0.4344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

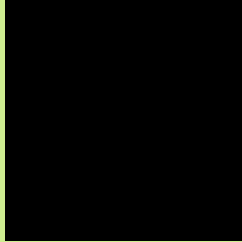
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7038, 0.3487, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 75.7038, 0.3487, 0.4344.

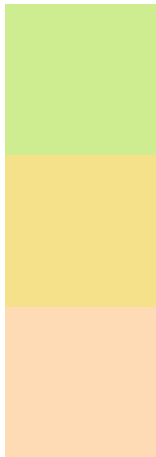


This preview shows how white text looks on a background with the Yxy color 75.7038, 0.3487, 0.4344.

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

75.7038, 0.3487, 0.4344

Protanopia

75.3073, 0.3862, 0.4179

Deuteranopia

75.2592, 0.3664, 0.3681



Tritanopia

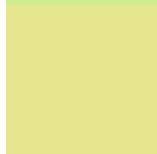
75.3816, 0.2973, 0.3099

Trichromacy



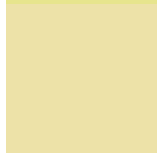
Original Color

75.7038, 0.3487, 0.4344



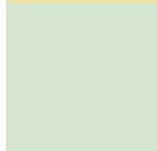
Protanomaly

74.9506, 0.3718, 0.4236



Deuteranomaly

75.2244, 0.3597, 0.3911



Tritanomaly

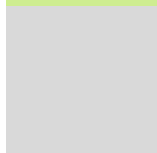
74.8398, 0.3164, 0.3534

Monochromacy



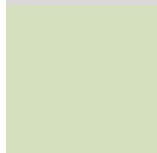
Original Color

75.7038, 0.3487, 0.4344



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.1751, 0.3273, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7038, 0.3487, 0.4344 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(206, 237, 144)` looks like.

```
.text, #text, p{  
    color:rgb(206, 237, 144)  
}
```

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(206, 237, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 237, 144) }
```

Border

The CSS property to change the border of an element to Yxy 75.7038, 0.3487, 0.4344 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(206, 237, 144) }
```

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

```
.border{ border-color:rgb(206, 237, 144) }
```

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

Here you see how a box with a 4 pixel rgb(206, 237, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 237, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 237, 144);  
box-shadow:4px 4px 4px 4px rgb(206, 237,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7038, 0.3487, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 237, 144) }
```

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

```
.background{ background-color: rgb(206,  
237, 144) }
```

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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