

Converting Colors

$Yxy(77.5822, 0.3438, 0.4444)$

Have a look what the booklet for
Yxy(77.5822, 0.3438, 0.4444)
contains.

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Color

Yxy(77.5695, 0.3441, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	C7F28D
RGB	199, 242, 141
RGB Percent	78%, 95%, 55%
CMY	0.2198, 0.0509, 0.4471
CMYK	0.18, 0.00, 0.42, 0.05
HSL	86°, 80%, 75%
HSV	86°, 42%, 95%
XYZ	60.1028, 77.5695, 36.9944
YIQ	217.6290, 6.7930, -40.5270

Conversions

Conversions Part 2

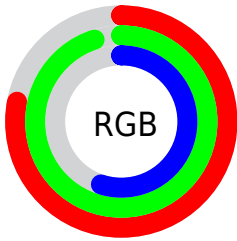
Format	Color
RYB	141, 242, 184
Decimal	13103757
CIELab	90.58, -30.25, 44.21
CIElCh	91, 53.563, 124.381
Yxy	77.5695, 0.3441, 0.4441
Android (android.graphics.Color)	4291293837 (0xFFC7F28D)
YUV	217.6290, -37.7781, -16.3376
Hunter-Lab	88.0735, -32.3174, 36.7473

Details

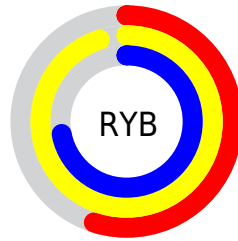
The Yxy color **77.5695, 0.3441, 0.4441** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.6505, 0.2674, 0.2103**, and the grayscale version is **70.0989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **41.6787, 0.3478, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **75.5665, 0.3495, 0.4728**, and if you desaturate by 10%, it is **79.8323, 0.3374, 0.4148**.

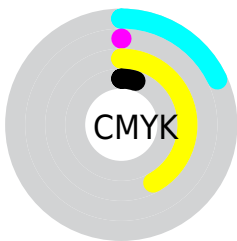
Distribution



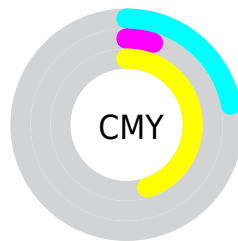
- Red (78%)
- Green (95%)
- Blue (55%)



- Red (55%)
- Yellow (95%)
- Blue (72%)



- Cyan (18%)
- Magenta (0%)
- Yellow (42%)
- Black (5%)




- Cyan (22%)
- Magenta (5%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5695, 0.3441, 0.4441 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 77.5695, 0.3441, 0.4441 by changing the saturation by 10% instead.


 77.5695, 0.3441,
0.4441

 77.5695, 0.3441,
0.4441

486.7036, 0.3319,
0.3894

 57.7204, 0.3462,
0.4567


 129.9431, 0.3404,
0.4250

 41.5839, 0.3484,
0.4723


 163.2363, 0.3388,
0.4176

 28.7756, 0.3504,
0.4919


201.7798, 0.3373,
0.4112

 18.9111, 0.3519,
0.5171

245.9578, 0.3360,
0.4057

 11.6061, 0.3516,
0.5504

296.1548, 0.3348,
0.4008

 6.4761, 0.3478,
0.5972


352.7552, 0.3337,


 3.1367, 0.3341,


0.3966


0.6659

416.1433, 0.3328,
0.3928


 1.2035, 0.2377,
0.7623

 0.0646, 0.0000,
1.0000


 77.5695, 0.3441,
0.4441


 77.5695, 0.3441,
0.4441


 75.5665, 0.3495,
0.4728


 79.8323, 0.3374,
0.4148

 73.8009, 0.3531,
0.4997


 82.3560, 0.3300,
0.3861


 72.2625, 0.3545,
0.5232

 85.1545, 0.3221,
0.3588

 70.9361, 0.3535,
0.5421

 88.2375, 0.3141,
0.3333

 69.8034, 0.3502,
0.5557

 91.1561, 0.3104,
0.3164

 68.9924, 0.3461,
0.5634

 91.9944, 0.3133,
0.3166

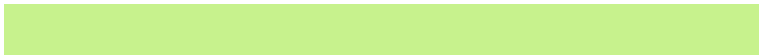
Harmonies

Analogous

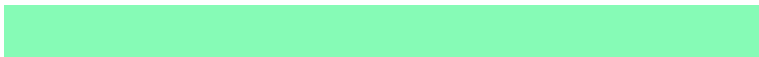
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5695, 0.3999, 0.4322



77.5695, 0.3441, 0.4441



77.5695, 0.2829, 0.4153

Triad

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



77.5695, 0.3441, 0.4441



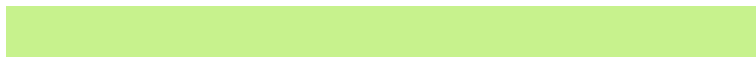
77.5695, 0.2031, 0.2496



77.5695, 0.3958, 0.2994

Complementary

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



77.5695, 0.3441, 0.4441



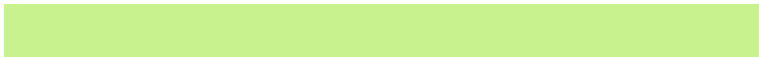
35.6505, 0.2674, 0.2103

Split Complementary

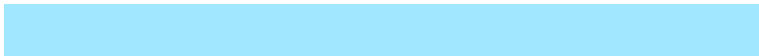
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5695, 0.3343, 0.2606



77.5695, 0.3441, 0.4441



77.5695, 0.2261, 0.2316

Square

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



77.5695, 0.3441, 0.4441



77.5695, 0.2051, 0.2923



77.5695, 0.2721, 0.2364



77.5695, 0.4337, 0.3464

Rectangle

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



77.5695, 0.3441, 0.4441



77.5695, 0.2473, 0.3767



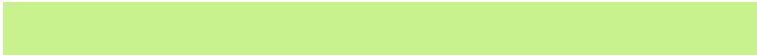
77.5695, 0.2721, 0.2364



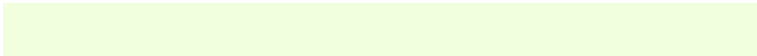
77.5695, 0.3768, 0.2852

Sweetspot

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



77.5729, 0.3441, 0.4441



95.4641, 0.3231, 0.3622



54.7018, 0.4005, 0.3753



20.2801, 0.3249, 0.3682



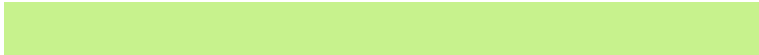
0.0000, 0.0000, 0.0000



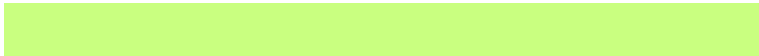
21.4041, 0.3127, 0.3290

Same Dimension

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



77.5729, 0.3441, 0.4441



85.4360, 0.3487, 0.4683



71.8639, 0.3116, 0.4566



18.1041, 0.3203, 0.3528



37.1396, 0.3472, 0.5625



3.1482, 0.3564, 0.5552

Inverse Universe

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



35.6505, 0.2674, 0.2103



32.4537, 0.2556, 0.1845



42.8795, 0.3101, 0.2240



15.5580, 0.3046, 0.3051



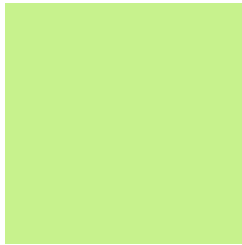
5.0741, 0.1889, 0.0814



0.4796, 0.2035, 0.0895

Previews

White Background



This preview shows how the Yxy color 77.5695, 0.3441, 0.4441 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 77.5695, 0.3441, 0.4441 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 77.5695, 0.3441, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 77.5695, 0.3441, 0.4441.

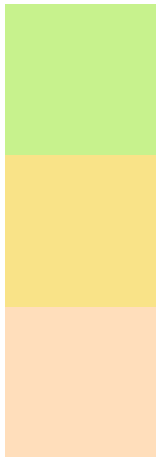


This preview shows how white text looks on a background with the Yxy color 77.5695, 0.3441, 0.4441.

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

77.5695, 0.3441, 0.4441

Protanopia

76.8555, 0.3895, 0.4218

Deuteranopia

77.0904, 0.3613, 0.3649



Tritanopia

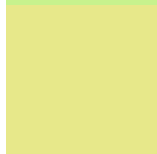
77.1121, 0.2912, 0.3089

Trichromacy



Original Color

77.5695, 0.3441, 0.4441



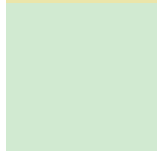
Protanomaly

76.5371, 0.3725, 0.4294



Deuteranomaly

76.6031, 0.3561, 0.3923



Tritanomaly

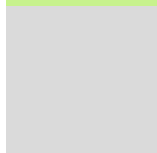
77.0044, 0.3114, 0.3567

Monochromacy



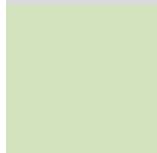
Original Color

77.5695, 0.3441, 0.4441



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.5048, 0.3255, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5695, 0.3441, 0.4441 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(199, 242, 141)` looks like.

```
.text, #text, p{  
    color:rgb(199, 242, 141)  
}
```

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(199, 242, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 242, 141) }
```

Border

The CSS property to change the border of an element to Yxy 77.5695, 0.3441, 0.4441 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(199, 242, 141) }
```

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

```
.border{ border-color:rgb(199, 242, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 242, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 242, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 242, 141);  
box-shadow:4px 4px 4px 4px rgb(199, 242,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5695, 0.3441, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 242, 141) }
```

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

```
.background{ background-color: rgb(199,  
242, 141) }
```

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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