

Converting Colors

$Yxy(77.1800, 0.3316, 0.4448)$

Have a look what the booklet for
Yxy(77.1800, 0.3316, 0.4448)
contains.

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Color

Yxy(77.0600, 0.3319, 0.4450)

Conversions

Conversions Part 1

Format	Color
Hex	B9F491
RGB	185, 244, 145
RGB Percent	73%, 96%, 57%
CMY	0.2744, 0.0431, 0.4314
CMYK	0.24, 0.00, 0.41, 0.04
HSL	96°, 82%, 76%
HSV	96°, 41%, 96%
XYZ	57.4746, 77.0600, 38.6339
YIQ	215.0730, -3.3850, -43.2970

Conversions

Conversions Part 2

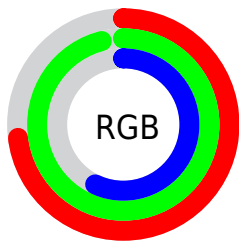
Format	Color
RYB	145, 244, 204
Decimal	12186769
CIELab	90.35, -35.59, 41.77
CIELCh	90, 54.875, 130.430
Yxy	77.0600, 0.3319, 0.4450
Android (android.graphics.Color)	4290376849 (0xFFB9F491)
YUV	215.0730, -34.5460, -26.3740
Hunter-Lab	87.7838, -36.7525, 35.3550

Details

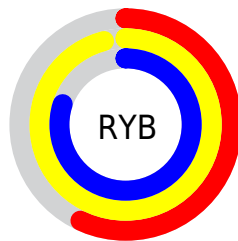
The Yxy color **77.0600, 0.3319, 0.4450** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.6177, 0.2829, 0.2183**, and the grayscale version is **68.2531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7448, 0.3374, 0.3845**, and **41.0768, 0.3336, 0.4733** is the 20% darker color. If you saturate the color by 10%, you get **74.6730, 0.3347, 0.4764**, and if you desaturate by 10%, it is **79.8001, 0.3280, 0.4138**.

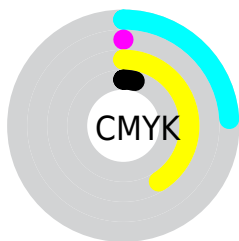
Distribution



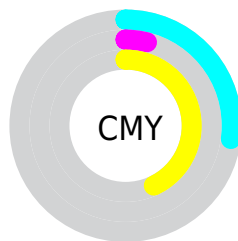
- Red (73%)
- Green (96%)
- Blue (57%)



- Red (57%)
- Yellow (96%)
- Blue (80%)



- Cyan (24%)
- Magenta (0%)
- Yellow (41%)
- Black (4%)




- Cyan (27%)
- Magenta (4%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0600, 0.3319, 0.4450 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 77.0600, 0.3319, 0.4450 by changing the saturation by 10% instead.


 77.0600, 0.3319,
0.4450

 77.0600, 0.3319,
0.4450


484.9686, 0.3252,
0.3893

 57.3021, 0.3328,
0.4581


 129.2242, 0.3301,
0.4254

 41.2479, 0.3334,
0.4743


 162.3993, 0.3292,
0.4178

 28.5128, 0.3337,
0.4949


200.8155, 0.3284,
0.4113

 18.7126, 0.3329,
0.5218

244.8574, 0.3277,
0.4057

 11.4628, 0.3296,
0.5578

294.9092, 0.3270,
0.4008

 6.3790, 0.3211,
0.6085

351.3554, 0.3264,

 3.0769, 0.3050,

0.3965

0.6950

414.5804, 0.3258,
0.3927

■ 1.1720, 0.1582,
0.8418

■ 0.0387, 0.0000,
1.0000

■ 77.0600, 0.3319,
0.4450

■ 77.0600, 0.3319,
0.4450

■ 74.6730, 0.3347,
0.4764

■ 79.8001, 0.3280,
0.4138

■ 72.6132, 0.3360,
0.5064

■ 82.8982, 0.3233,
0.3838

■ 70.8663, 0.3355,
0.5334

■ 86.3713, 0.3182,
0.3559

■ 69.4131, 0.3330,
0.5555

■ 90.2327, 0.3130,
0.3304

■ 68.2309, 0.3286,
0.5716

■ 93.1808, 0.3132,
0.3185

■ 67.3340, 0.3234,
0.5814

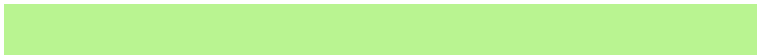
Harmonies

Analogous

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



77.0600, 0.3916, 0.4400



77.0600, 0.3319, 0.4450



77.0600, 0.2702, 0.4070

Triad

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



77.0600, 0.3319, 0.4450



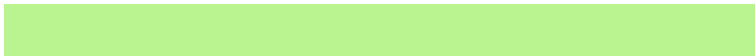
77.0600, 0.2033, 0.2419



77.0600, 0.4086, 0.3078

Complementary

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



77.0600, 0.3319, 0.4450



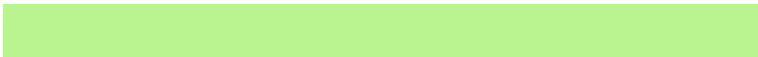
39.6177, 0.2829, 0.2183

Split Complementary

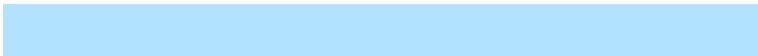
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0600, 0.3483, 0.2660



77.0600, 0.3319, 0.4450



77.0600, 0.2317, 0.2286

Square

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



77.0600, 0.3319, 0.4450



77.0600, 0.2000, 0.2803



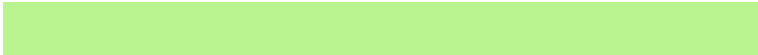
77.0600, 0.2829, 0.2378



77.0600, 0.4402, 0.3566

Rectangle

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



77.0600, 0.3319, 0.4450



77.0600, 0.2362, 0.3644



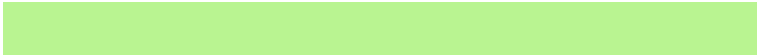
77.0600, 0.2829, 0.2378



77.0600, 0.3906, 0.2928

Sweetspot

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



77.0633, 0.3319, 0.4450



94.8889, 0.3190, 0.3598



63.8721, 0.3901, 0.3910



20.1991, 0.3197, 0.3634



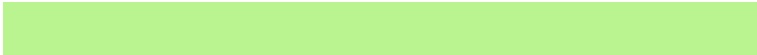
0.0000, 0.0000, 0.0000



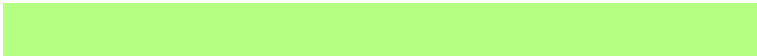
21.4041, 0.3127, 0.3290

Same Dimension

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



77.0633, 0.3319, 0.4450



82.9049, 0.3344, 0.4719



73.0293, 0.3026, 0.4438



18.7990, 0.3177, 0.3530



36.6876, 0.3246, 0.5805



3.2828, 0.3343, 0.5728

Inverse Universe

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



39.6177, 0.2829, 0.2183



36.1039, 0.2745, 0.1940



45.5269, 0.3245, 0.2362



16.4147, 0.3073, 0.3052



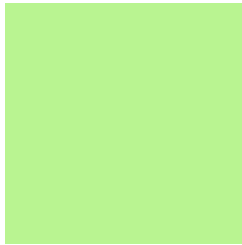
6.9237, 0.2222, 0.0998



0.6684, 0.2342, 0.1064

Previews

White Background



This preview shows how the Yxy color 77.0600, 0.3319, 0.4450 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 77.0600, 0.3319, 0.4450 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 77.0600, 0.3319, 0.4450

Background



This preview shows how black text looks on a background with the Yxy color 77.0600, 0.3319, 0.4450.

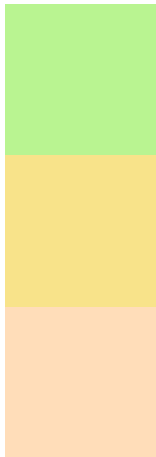


This preview shows how white text looks on a background with the Yxy color 77.0600, 0.3319, 0.4450.

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

77.0600, 0.3319, 0.4450

Protanopia

76.7296, 0.3875, 0.4202

Deuteranopia

76.4757, 0.3629, 0.3659



Tritanopia

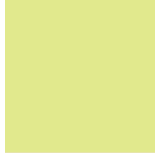
77.0329, 0.2821, 0.3096

Trichromacy



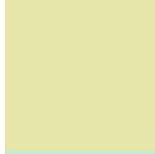
Original Color

77.0600, 0.3319, 0.4450



Protanomaly

76.2085, 0.3658, 0.4289



Deuteranomaly

75.7639, 0.3523, 0.3931



Tritanomaly

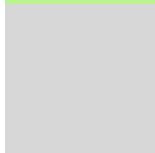
76.3465, 0.3004, 0.3562

Monochromacy



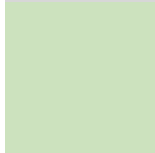
Original Color

77.0600, 0.3319, 0.4450



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.9478, 0.3206, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0600, 0.3319, 0.4450 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(185, 244, 145)` looks like.

```
.text, #text, p{  
    color:rgb(185, 244, 145)  
}
```

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(185, 244, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 244, 145) }
```

Border

The CSS property to change the border of an element to Yxy 77.0600, 0.3319, 0.4450 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(185, 244, 145) }
```

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

```
.border{ border-color:rgb(185, 244, 145) }
```

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

Here you see how a box with a 4 pixel rgb(185, 244, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 244, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 244, 145);  
box-shadow:4px 4px 4px 4px rgb(185, 244,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0600, 0.3319, 0.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 244, 145) }
```

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

```
.background{ background-color: rgb(185,  
244, 145) }
```

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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