

Converting Colors

Yxy(78.4713, 0.3408, 0.4546)

Have a look what the booklet for
Yxy(78.4713, 0.3408, 0.4546)
contains.

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Color

Yxy(78.1588, 0.3405, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	BFF588
RGB	191, 245, 136
RGB Percent	75%, 96%, 53%
CMY	0.2511, 0.0392, 0.4665
CMYK	0.22, 0.00, 0.44, 0.04
HSL	90°, 85%, 75%
HSV	90°, 44%, 96%
XYZ	58.5804, 78.1588, 35.3031
YIQ	216.4280, 2.8050, -45.3470

Conversions

Conversions Part 2

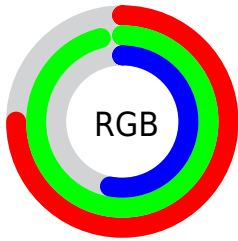
Format	Color
RYB	136, 245, 190
Decimal	12580232
CIELab	90.85, -35.06, 46.83
CIElCh	91, 58.501, 126.823
Yxy	78.1588, 0.3405, 0.4543
Android (android.graphics.Color)	4290770312 (0xFFBFF588)
YUV	216.4280, -39.6510, -22.3004
Hunter-Lab	88.4075, -36.4357, 38.2094

Details

The Yxy color **78.1588, 0.3405, 0.4543** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.1664, 0.2699, 0.2039**, and the grayscale version is **69.2524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4213, 0.3467, 0.3928**, and **41.7574, 0.3430, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **76.0332, 0.3443, 0.4838**, and if you desaturate by 10%, it is **80.5811, 0.3353, 0.4241**.

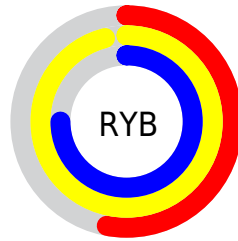
Distribution



Red (75%)

Green (96%)

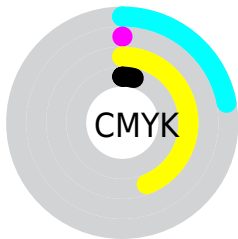
Blue (53%)



Red (53%)

Yellow (96%)

Blue (75%)

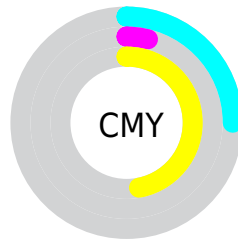


Cyan (22%)

Magenta (0%)

Yellow (44%)

Black (4%)



Cyan (25%)


Magenta (4%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1588, 0.3405, 0.4543 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 78.1588, 0.3405, 0.4543 by changing the saturation by 10% instead.


 78.1588, 0.3405,
0.4543


 78.1588, 0.3405,
0.4543


488.7060, 0.3304,
0.3945

 58.2044, 0.3420,
0.4681


 130.7740, 0.3376,
0.4334

 41.9730, 0.3433,
0.4852

 164.2035, 0.3363,
0.4253

 29.0802, 0.3442,
0.5066


 202.8937, 0.3351,
0.4183

 19.1415, 0.3440,
0.5342

247.2287, 0.3340,
0.4123

 11.7726, 0.3411,
0.5704

297.5930, 0.3330,
0.4070

 6.5890, 0.3344,
0.6235


354.3711, 0.3320,


 3.2064, 0.3102,


0.4023


0.6898


417.9473, 0.3312,
0.3982


 1.2404, 0.1874,
0.8126


 0.0944, 0.0000,
1.0000


 78.1588, 0.3405,
0.4543


 78.1588, 0.3405,
0.4543


 76.0332, 0.3443,
0.4838


 80.5811, 0.3353,
0.4241


 74.1798, 0.3462,
0.5112


 83.3029, 0.3292,
0.3945

 72.5865, 0.3461,
0.5348

 86.3395, 0.3226,
0.3663

 71.2355, 0.3436,
0.5534

 89.7025, 0.3158,
0.3400

 70.1054, 0.3391,
0.5663

 93.1724, 0.3111,
0.3194

 69.5604, 0.3360,
0.5714

 93.7898, 0.3132,
0.3194

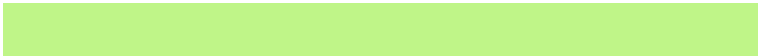
Harmonies

Analogous

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



78.1588, 0.4022, 0.4429



78.1588, 0.3405, 0.4543



78.1588, 0.2747, 0.4194

Triad

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



78.1588, 0.3405, 0.4543



78.1588, 0.1958, 0.2402



78.1588, 0.4079, 0.3005

Complementary

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



78.1588, 0.3405, 0.4543



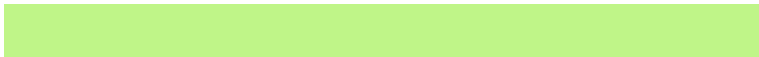
35.1664, 0.2699, 0.2039

Split Complementary

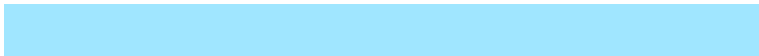
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1588, 0.3417, 0.2581



78.1588, 0.3405, 0.4543



78.1588, 0.2223, 0.2236

Square

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



78.1588, 0.3405, 0.4543



78.1588, 0.1954, 0.2837



78.1588, 0.2734, 0.2308



78.1588, 0.4461, 0.3510

Rectangle

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



78.1588, 0.3405, 0.4543



78.1588, 0.2374, 0.3752



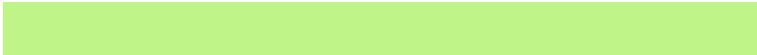
78.1588, 0.2734, 0.2308



78.1588, 0.3877, 0.2851

Sweetspot

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



78.1622, 0.3405, 0.4543



95.0609, 0.3216, 0.3624



57.4611, 0.4045, 0.3858



20.1806, 0.3231, 0.3684



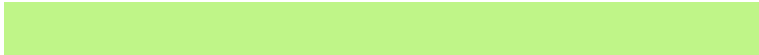
0.0000, 0.0000, 0.0000



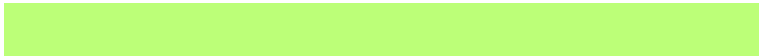
21.4041, 0.3127, 0.3290

Same Dimension

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



78.1622, 0.3405, 0.4543



83.5631, 0.3439, 0.4799



72.4789, 0.3072, 0.4681



18.8826, 0.3192, 0.3529



37.5533, 0.3371, 0.5705



3.3617, 0.3465, 0.5630

Inverse Universe

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



35.1664, 0.2699, 0.2039



31.1635, 0.2589, 0.1785



43.3001, 0.3162, 0.2197



16.3302, 0.3057, 0.3051



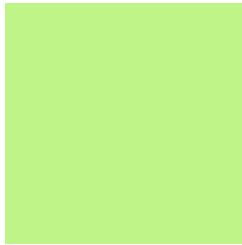
5.8419, 0.2015, 0.0883



0.5745, 0.2150, 0.0958

Previews

White Background



This preview shows how the Yxy color 78.1588, 0.3405, 0.4543 looks on a white background.

Color Contrast Check

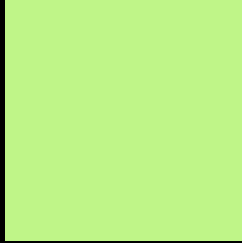
Large Text (above 18pt) WCAG AA × Fail

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 78.1588, 0.3405, 0.4543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

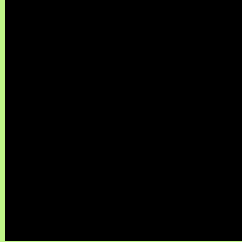
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1588, 0.3405, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 78.1588, 0.3405, 0.4543.

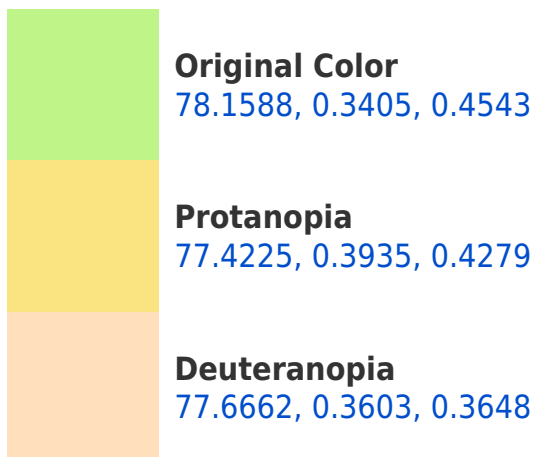


This preview shows how white text looks on a background with the Yxy color 78.1588, 0.3405, 0.4543.

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





Tritanopia

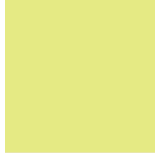
77.8808, 0.2858, 0.3098

Trichromacy



Original Color

78.1588, 0.3405, 0.4543



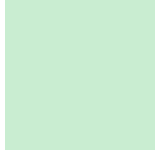
Protanomaly

77.1696, 0.3738, 0.4377



Deuteranomaly

77.1722, 0.3540, 0.3958



Tritanomaly

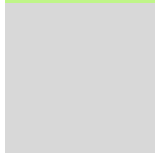
77.5893, 0.3060, 0.3604

Monochromacy



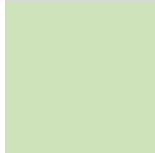
Original Color

78.1588, 0.3405, 0.4543



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.7914, 0.3246, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1588, 0.3405, 0.4543 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(191, 245, 136)` looks like.

```
.text, #text, p{  
    color:rgb(191, 245, 136)  
}
```

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(191, 245, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 245, 136) }
```

Border

The CSS property to change the border of an element to Yxy 78.1588, 0.3405, 0.4543 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(191, 245, 136) }
```

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

```
.border{ border-color:rgb(191, 245, 136) }
```

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

Here you see how a box with a 4 pixel rgb(191, 245, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 245, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 245, 136);  
box-shadow:4px 4px 4px 4px rgb(191, 245,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1588, 0.3405, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 245, 136) }
```

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

```
.background{ background-color: rgb(191,  
245, 136) }
```

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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