

Converting Colors

$Yxy(76.3034, 0.3353, 0.4458)$

Have a look what the booklet for
Yxy(76.3034, 0.3353, 0.4458)
contains.

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Color

Yxy(76.1486, 0.3359, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	BCF28E
RGB	188, 242, 142
RGB Percent	74%, 95%, 56%
CMY	0.2630, 0.0509, 0.4432
CMYK	0.22, 0.00, 0.41, 0.05
HSL	92°, 79%, 75%
HSV	92°, 41%, 95%
XYZ	57.3633, 76.1486, 37.2631
YIQ	214.4540, -0.0840, -42.5480

Conversions

Conversions Part 2

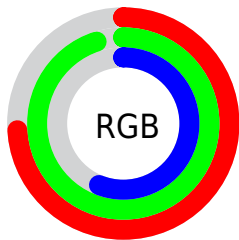
Format	Color
RYB	142, 242, 196
Decimal	12382862
CIELab	89.93, -34.05, 42.74
CIElCh	90, 54.643, 128.541
Yxy	76.1486, 0.3359, 0.4459
Android (android.graphics.Color)	4290572942 (0xFFBCF28E)
YUV	214.4540, -35.7198, -23.2002
Hunter-Lab	87.2632, -35.3717, 35.7662

Details

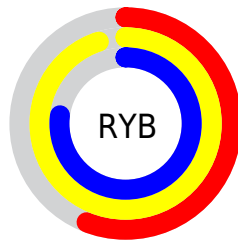
The Yxy color **76.1486, 0.3359, 0.4459** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.5012, 0.2775, 0.2147**, and the grayscale version is **67.8073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1440, 0.3412, 0.3871**, and **40.8425, 0.3383, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **73.9157, 0.3394, 0.4764**, and if you desaturate by 10%, it is **78.6965, 0.3311, 0.4153**.

Distribution



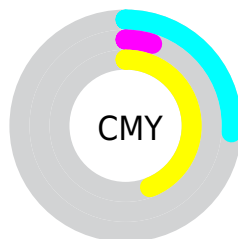
- Red (74%)
- Green (95%)
- Blue (56%)



- Red (56%)
- Yellow (95%)
- Blue (77%)



- Cyan (22%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)





- Cyan (26%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1486, 0.3359, 0.4459 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 76.1486, 0.3359, 0.4459 by changing the saturation by 10% instead.

 76.1486, 0.3359,
0.4459


 76.1486, 0.3359,
0.4459


481.8562, 0.3274,
0.3898

 56.5544, 0.3371,
0.4590


 127.9369, 0.3335,
0.4261

 40.6476, 0.3383,
0.4753


 160.8998, 0.3324,
0.4185

 28.0438, 0.3391,
0.4960


199.0877, 0.3314,
0.4120

 18.3587, 0.3389,
0.5228


242.8851, 0.3305,
0.4063

 11.2078, 0.3363,
0.5587

292.6762, 0.3296,
0.4014

 6.2068, 0.3291,
0.6100


348.8455, 0.3288,


 2.9712, 0.3110,

0.3971

0.6890


411.7774, 0.3281,
0.3932


 1.1167, 0.1605,
0.8395


 0.0000, 0.0000,
0.0000


 76.1486, 0.3359,
0.4459


 76.1486, 0.3359,
0.4459


 73.9157, 0.3394,
0.4764


 78.6965, 0.3311,
0.4153


 71.9737, 0.3414,
0.5054

 81.5628, 0.3256,
0.3857

 70.3101, 0.3413,
0.5311


 84.7631, 0.3196,
0.3579


 68.9073, 0.3391,
0.5521

 88.3090, 0.3135,
0.3322

 67.7450, 0.3349,
0.5673

 91.6853, 0.3122,
0.3165

 66.9060, 0.3301,
0.5761

 91.9945, 0.3133,
0.3166

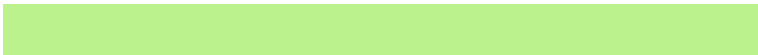
Harmonies

Analogous

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



76.1486, 0.3949, 0.4384



76.1486, 0.3359, 0.4459



76.1486, 0.2738, 0.4105

Triad

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



76.1486, 0.3359, 0.4459



76.1486, 0.2024, 0.2435



76.1486, 0.4054, 0.3049

Complementary

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



76.1486, 0.3359, 0.4459



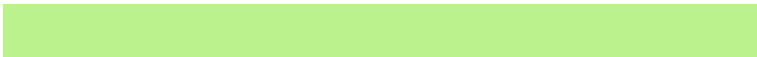
37.5012, 0.2775, 0.2147

Split Complementary

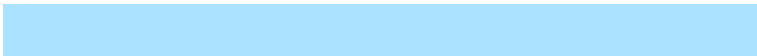
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1486, 0.3441, 0.2637



76.1486, 0.3359, 0.4459



76.1486, 0.2292, 0.2288

Square

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



76.1486, 0.3359, 0.4459



76.1486, 0.2007, 0.2836



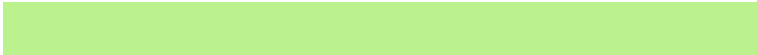
76.1486, 0.2791, 0.2367



76.1486, 0.4394, 0.3534

Rectangle

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



76.1486, 0.3359, 0.4459



76.1486, 0.2391, 0.3686



76.1486, 0.2791, 0.2367



76.1486, 0.3869, 0.2900

Sweetspot

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



76.1519, 0.3359, 0.4459



95.1801, 0.3201, 0.3597



60.0161, 0.3940, 0.3870



20.2675, 0.3209, 0.3633



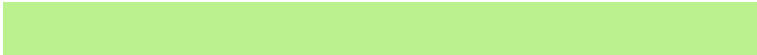
0.0000, 0.0000, 0.0000



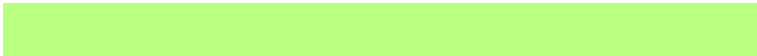
21.4041, 0.3127, 0.3290

Same Dimension

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



76.1519, 0.3359, 0.4459



83.5138, 0.3391, 0.4728



71.3194, 0.3050, 0.4528



18.0121, 0.3185, 0.3529



36.0159, 0.3313, 0.5752



3.0547, 0.3414, 0.5671

Inverse Universe

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



37.5012, 0.2775, 0.2147



34.3211, 0.2676, 0.1890



44.4383, 0.3204, 0.2302



15.6496, 0.3064, 0.3052



6.1108, 0.2105, 0.0933



0.5675, 0.2242, 0.1009

Previews

White Background



This preview shows how the Yxy color 76.1486, 0.3359, 0.4459 looks on a white background.

Color Contrast Check

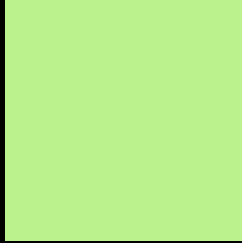
Large Text (above 18pt) WCAG AA × Fail

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 76.1486, 0.3359, 0.4459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

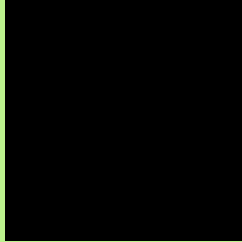
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1486, 0.3359, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 76.1486, 0.3359, 0.4459.

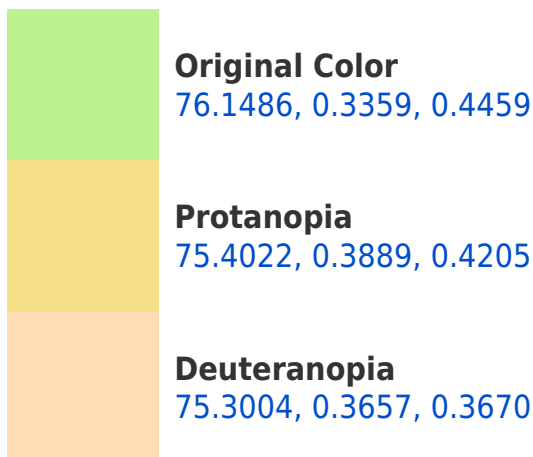


This preview shows how white text looks on a background with the Yxy color 76.1486, 0.3359, 0.4459.

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

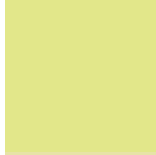
76.2083, 0.2849, 0.3096

Trichromacy



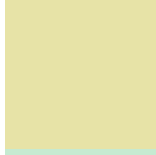
Original Color

76.1486, 0.3359, 0.4459



Protanomaly

75.1556, 0.3691, 0.4299



Deuteranomaly

74.7171, 0.3556, 0.3942



Tritanomaly

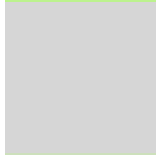
75.4549, 0.3041, 0.3573

Monochromacy



Original Color

76.1486, 0.3359, 0.4459



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.9213, 0.3228, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1486, 0.3359, 0.4459 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(188, 242, 142)` looks like.

```
.text, #text, p{  
    color:rgb(188, 242, 142)  
}
```

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(188, 242, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 242, 142) }
```

Border

The CSS property to change the border of an element to Yxy 76.1486, 0.3359, 0.4459 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(188, 242, 142) }
```

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

```
.border{ border-color:rgb(188, 242, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 242, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 242, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 242, 142);  
box-shadow:4px 4px 4px 4px rgb(188, 242,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1486, 0.3359, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 242, 142) }
```

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

```
.background{ background-color: rgb(188,  
242, 142) }
```

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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