

Converting Colors

$Yxy(68.3993, 0.3553, 0.4610)$

Have a look what the booklet for
Yxy(68.3993, 0.3553, 0.4610)
contains.

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Color

Yxy(68.3993, 0.3553, 0.4610)

Conversions

Conversions Part 1

Format	Color
Hex	BFE575
RGB	191, 229, 117
RGB Percent	75%, 90%, 46%
CMY	0.2510, 0.1019, 0.5411
CMYK	0.17, 0.00, 0.49, 0.10
HSL	80°, 68%, 68%
HSV	80°, 49%, 90%
XYZ	52.7164, 68.3993, 27.2559
YIQ	204.8700, 13.3040, -42.8880

Conversions

Conversions Part 2

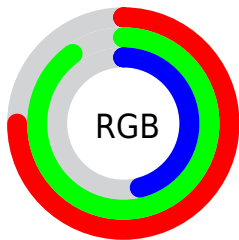
Format	Color
RYB	117, 229, 155
Decimal	12576117
CIELab	86.21, -29.73, 50.17
CIELCh	86, 58.320, 120.653
Yxy	68.3993, 0.3553, 0.4610
Android (android.graphics.Color)	4290766197 (0xFFBFE575)
YUV	204.8700, -43.3199, -12.1640
Hunter-Lab	82.7039, -30.9538, 38.3531

Details

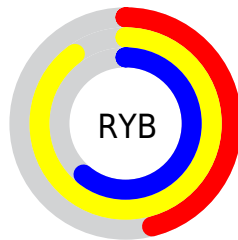
The Yxy color **68.3993, 0.3553, 0.4610** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **25.3525, 0.2491, 0.1856**, and the grayscale version is **61.2398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6000, 0.3585, 0.4127**, and **35.4197, 0.3607, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **66.9469, 0.3609, 0.4869**, and if you desaturate by 10%, it is **70.0430, 0.3480, 0.4334**.

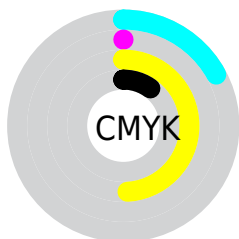
Distribution



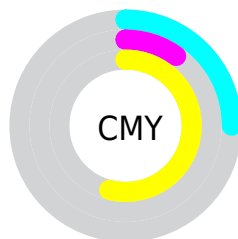
- Red (75%)
- Green (90%)
- Blue (46%)



- Red (46%)
- Yellow (90%)
- Blue (61%)



- Cyan (17%)
- Magenta (0%)
- Yellow (49%)
- Black (10%)




- Cyan (25%)
- Magenta (10%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3993, 0.3553, 0.4610 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 68.3993, 0.3553, 0.4610 by changing the saturation by 10% instead.


 68.3993, 0.3553,
0.4610

 68.3993, 0.3553,
0.4610


454.9095, 0.3384,
0.3973


 50.2227, 0.3581,
0.4758

 116.9232, 0.3502,
0.4386

 35.5903, 0.3610,
0.4940


 148.0392, 0.3480,
0.4300

 24.1180, 0.3635,
0.5168


 184.2372, 0.3460,
0.4225

 15.4212, 0.3646,
0.5458

225.9014, 0.3441,
0.4161

 9.1155, 0.3622,
0.5830

273.4164, 0.3425,
0.4105

 4.8166, 0.3575,
0.6425

327.1665, 0.3410,

 2.1401, 0.3156,

0.4056

0.6844

387.5360, 0.3396,
0.4012

0.6870, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.3993, 0.3553,
0.4610

68.3993, 0.3553,
0.4610

66.9469, 0.3609,
0.4869

70.0430, 0.3480,
0.4334

65.6660, 0.3645,
0.5098

71.8785, 0.3395,
0.4053

64.5478, 0.3655,
0.5285


73.9177, 0.3304,
0.3776


63.5782, 0.3641,
0.5424

76.1686, 0.3210,
0.3512

 62.7362, 0.3605,
0.5514


 78.6391, 0.3117,
0.3264

 62.6487, 0.3600,
0.5523

 81.3363, 0.3027,
0.3035

 82.7456, 0.3075,
0.3034

 84.1758, 0.3127,
0.3038

 84.5213, 0.3139,
0.3039

Harmonies

Analogous

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



68.3993, 0.4164, 0.4401



68.3993, 0.3553, 0.4610



68.3993, 0.2863, 0.4351

Triad

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



68.3993, 0.3553, 0.4610



68.3993, 0.1893, 0.2435



68.3993, 0.3993, 0.2893

Complementary

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



68.3993, 0.3553, 0.4610



25.3525, 0.2491, 0.1856

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.



68.3993, 0.3274, 0.2483



68.3993, 0.3553, 0.4610



68.3993, 0.2112, 0.2212

Square

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



68.3993, 0.3553, 0.4610



68.3993, 0.1945, 0.2942



68.3993, 0.2590, 0.2240



68.3993, 0.4469, 0.3402

Rectangle

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



68.3993, 0.3553, 0.4610



68.3993, 0.2452, 0.3926



68.3993, 0.2590, 0.2240



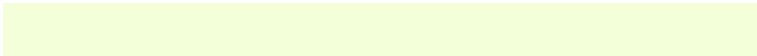
68.3993, 0.3766, 0.2741

Sweetspot

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



68.4023, 0.3553, 0.4610



95.3975, 0.3268, 0.3674



41.1677, 0.4262, 0.3722



20.2914, 0.3288, 0.3730



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.



68.4023, 0.3553, 0.4610



85.3604, 0.3611, 0.4880



62.5331, 0.3165, 0.4788



16.5595, 0.3215, 0.3526



35.8866, 0.3609, 0.5516



2.7025, 0.3696, 0.5448

Inverse Universe

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



25.3525, 0.2491, 0.1856



24.2602, 0.2318, 0.1532



32.1339, 0.3002, 0.2045



14.1236, 0.3033, 0.3051



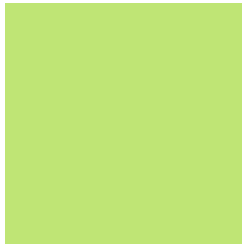
4.2131, 0.1756, 0.0741



0.3610, 0.1916, 0.0829

Previews

White Background



This preview shows how the Yxy color 68.3993, 0.3553, 0.4610 looks on a white background.

Color Contrast Check

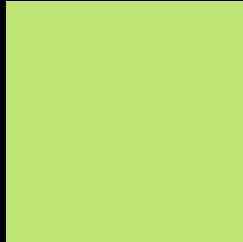
Large Text (above 18pt) WCAG AA × Fail

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 68.3993, 0.3553, 0.4610 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 68.3993, 0.3553, 0.4610

Background



This preview shows how black text looks on a background with the Yxy color 68.3993, 0.3553, 0.4610.



This preview shows how white text looks on a background with the Yxy color 68.3993, 0.3553, 0.4610.

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

68.3993, 0.3553, 0.4610

Protanopia

67.7753, 0.4008, 0.4371

Deuteranopia

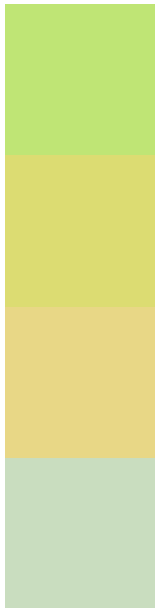
67.8688, 0.3987, 0.3949



Tritanopia

68.1167, 0.2946, 0.3101

Trichromacy



Original Color

68.3993, 0.3553, 0.4610

Protanomaly

67.6169, 0.3834, 0.4458

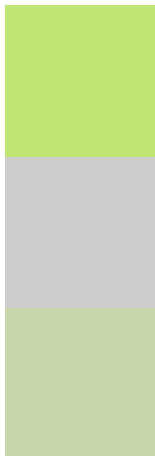
Deuteranomaly

67.4779, 0.3828, 0.4174

Tritanomaly

67.8920, 0.3182, 0.3640

Monochromacy



Original Color

68.3993, 0.3553, 0.4610

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

63.3896, 0.3305, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3993, 0.3553, 0.4610 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, 229, 117)` looks like.

```
.text, #text, p{  
    color:rgb(191, 229, 117)  
}
```

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, 229, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 229, 117) }
```

Border

The CSS property to change the border of an element to Yxy 68.3993, 0.3553, 0.4610 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, 229, 117) }
```

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

```
.border{ border-color:rgb(191, 229, 117) }
```

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

Here you see how a box with a 4 pixel rgb(191, 229, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 229, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 229, 117);  
box-shadow:4px 4px 4px 4px rgb(191, 229,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3993, 0.3553, 0.4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 229, 117) }
```

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

```
.background{ background-color: rgb(191,  
229, 117) }
```

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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