

Converting Colors

$Yxy(69.3874, 0.3636, 0.4861)$

Have a look what the booklet for
Yxy(69.3874, 0.3636, 0.4861)
contains.

Yxy(69.3583, 0.3636, 0.4859)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.3583, 0.3636, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	BDE85F
RGB	189, 232, 95
RGB Percent	74%, 91%, 37%
CMY	0.2590, 0.0901, 0.6274
CMYK	0.19, 0.00, 0.59, 0.09
HSL	79°, 75%, 64%
HSV	79°, 59%, 91%
XYZ	51.9010, 69.3583, 21.4827
YIQ	203.5250, 18.3490, -51.7230

Conversions

Conversions Part 2

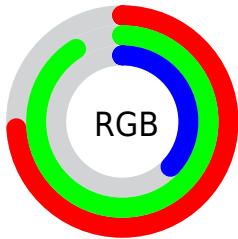
Format	Color
RYB	95, 232, 138
Decimal	12445791
CIELab	86.68, -33.91, 60.60
CIELCh	87, 69.447, 119.230
Yxy	69.3583, 0.3636, 0.4859
Android (android.graphics.Color)	4290635871 (0xFFBDE85F)
YUV	203.5250, -53.5028, -12.7384
Hunter-Lab	83.2816, -34.5020, 43.0032

Details

The Yxy color **69.3583, 0.3636, 0.4859** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **19.4255, 0.2293, 0.1528**, and the grayscale version is **60.4013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6785, 0.3696, 0.4329**, and **36.0961, 0.3683, 0.5235** is the 20% darker color. If you saturate the color by 10%, you get **68.0913, 0.3675, 0.5082**, and if you desaturate by 10%, it is **70.8040, 0.3575, 0.4605**.

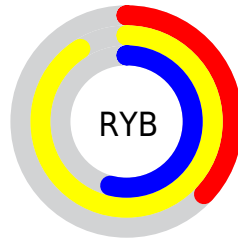
Distribution



Red (74%)

Green (91%)

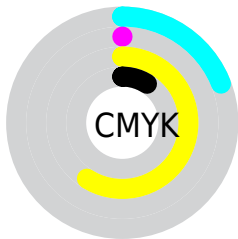
Blue (37%)



Red (37%)

Yellow (91%)

Blue (54%)

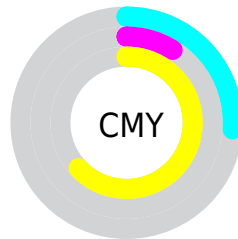


Cyan (19%)

Magenta (0%)

Yellow (59%)

Black (9%)



Cyan (26%)


Magenta (9%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3583, 0.3636, 0.4859 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 69.3583, 0.3636, 0.4859 by changing the saturation by 10% instead.


 69.3583, 0.3636,
0.4859

 69.3583, 0.3636,
0.4859


458.2937, 0.3446,
0.4109


 51.0036, 0.3662,
0.5028

 118.2932, 0.3583,
0.4599


 36.2114, 0.3685,
0.5233


 149.6421, 0.3558,
0.4497

 24.5975, 0.3695,
0.5483


 186.0913, 0.3535,
0.4410

 15.7775, 0.3679,
0.5787

 228.0250, 0.3514,
0.4333

 9.3668, 0.3646,
0.6231

275.8277, 0.3495,
0.4267

 4.9812, 0.3403,
0.6597

329.8838, 0.3477,

 2.2362, 0.2938,

0.4208

0.7062

390.5776, 0.3461,
0.4156

0.7396, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.3583, 0.3636,
0.4859

69.3583, 0.3636,
0.4859

68.0913, 0.3675,
0.5082

70.8040, 0.3575,
0.4605

66.9814, 0.3689,
0.5264


72.4300, 0.3498,
0.4333

66.0176, 0.3678,
0.5397

74.2489, 0.3409,
0.4054


65.1779, 0.3645,
0.5483

76.2699, 0.3313,
0.3779


 65.1016, 0.3641,
0.5491

 78.5012, 0.3215,
0.3515

 80.9505, 0.3118,
0.3267

 83.4676, 0.3038,
0.3061

 84.7698, 0.3086,
0.3065

 86.1238, 0.3135,
0.3068

Harmonies

Analogous

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



69.3583, 0.4346, 0.4544



69.3583, 0.3636, 0.4859



69.3583, 0.2835, 0.4605

Triad

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



69.3583, 0.3636, 0.4859



69.3583, 0.1703, 0.2303



69.3583, 0.4113, 0.2795

Complementary

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



69.3583, 0.3636, 0.4859



19.4255, 0.2293, 0.1528

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.



69.3583, 0.3250, 0.2340



69.3583, 0.3636, 0.4859



69.3583, 0.1934, 0.2048

Square

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



69.3583, 0.3636, 0.4859



69.3583, 0.1770, 0.2896



69.3583, 0.2461, 0.2075



69.3583, 0.4700, 0.3365

Rectangle

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



69.3583, 0.3636, 0.4859



69.3583, 0.2356, 0.4095



69.3583, 0.2461, 0.2075



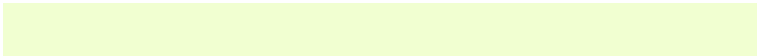
69.3583, 0.3838, 0.2626

Sweetspot

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



69.3614, 0.3636, 0.4859



94.7541, 0.3304, 0.3753



35.6269, 0.4641, 0.3743



20.1173, 0.3333, 0.3833



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.



69.3614, 0.3636, 0.4859



84.0321, 0.3681, 0.5129



62.7166, 0.3182, 0.5115



16.5781, 0.3219, 0.3526



36.2066, 0.3650, 0.5484



2.7245, 0.3731, 0.5419

Inverse Universe

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



19.4255, 0.2293, 0.1528



16.9248, 0.2085, 0.1183



26.9400, 0.2917, 0.1797



14.1058, 0.3029, 0.3050



4.0783, 0.1722, 0.0722



0.3494, 0.1880, 0.0809

Previews

White Background



This preview shows how the Yxy color 69.3583, 0.3636, 0.4859 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 69.3583, 0.3636, 0.4859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

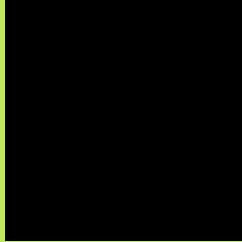
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.3583, 0.3636, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 69.3583, 0.3636, 0.4859.



This preview shows how white text looks on a background with the Yxy color 69.3583, 0.3636, 0.4859.

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

69.3583, 0.3636, 0.4859

Protanopia

69.0647, 0.4149, 0.4553

Deuteranopia

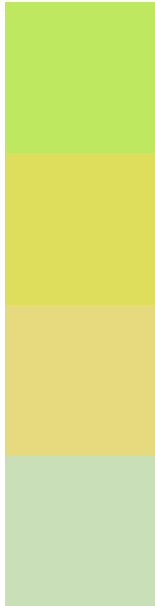
68.8441, 0.3977, 0.3968



Tritanopia

69.2628, 0.2934, 0.3102

Trichromacy



Original Color

69.3583, 0.3636, 0.4859

Protanomaly

68.5449, 0.3957, 0.4663

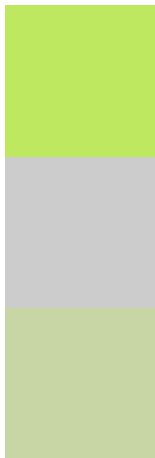
Deuteranomaly

68.1210, 0.3863, 0.4276

Tritanomaly

68.5154, 0.3219, 0.3747

Monochromacy



Original Color

69.3583, 0.3636, 0.4859

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.9156, 0.3360, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3583, 0.3636, 0.4859 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(189, 232, 95)` looks like.

```
.text, #text, p{  
    color:rgb(189, 232, 95)  
}
```

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(189, 232, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 232, 95) }
```

Border

The CSS property to change the border of an element to Yxy 69.3583, 0.3636, 0.4859 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(189, 232, 95) }
```

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

```
.border{ border-color:rgb(189, 232, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 232, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 232, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 232, 95);  
box-shadow:4px 4px 4px 4px rgb(189, 232,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3583, 0.3636, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 232, 95) }
```

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

```
.background{ background-color: rgb(189,  
232, 95) }
```

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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