

Converting Colors

$Y_{xy}(69.3957, 0.3482, 0.4622)$

Have a look what the booklet for
Yxy(69.3957, 0.3482, 0.4622)
contains.

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Color

Yxy(69.3836, 0.3483, 0.4624)

Conversions

Conversions Part 1

Format	Color
Hex	B9E878
RGB	185, 232, 120
RGB Percent	73%, 91%, 47%
CMY	0.2743, 0.0902, 0.5294
CMYK	0.20, 0.00, 0.48, 0.09
HSL	85°, 71%, 69%
HSV	85°, 48%, 91%
XYZ	52.2628, 69.3836, 28.4047
YIQ	205.1790, 7.9400, -44.7960

Conversions

Conversions Part 2

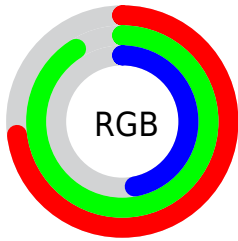
Format	Color
RYB	120, 232, 167
Decimal	12183672
CIELab	86.69, -33.02, 49.27
CIElCh	87, 59.307, 123.831
Yxy	69.3836, 0.3483, 0.4624
Android (android.graphics.Color)	4290373752 (0xFFB9E878)
YUV	205.1790, -41.9932, -17.6970
Hunter-Lab	83.2968, -33.7735, 38.0896

Details

The Yxy color **69.3836, 0.3483, 0.4624** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **27.4668, 0.2577, 0.1903**, and the grayscale version is **61.4458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6307, 0.3527, 0.4109**, and **36.2138, 0.3526, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **67.7212, 0.3527, 0.4899**, and if you desaturate by 10%, it is **71.2713, 0.3423, 0.4335**.

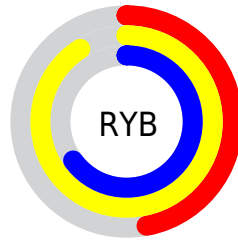
Distribution



Red (73%)

Green (91%)

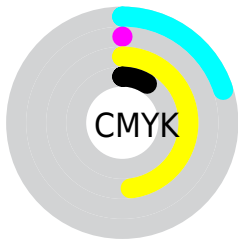
Blue (47%)



Red (47%)

Yellow (91%)

Blue (65%)

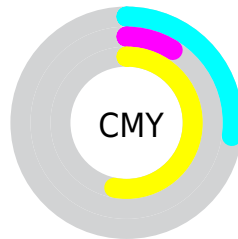


Cyan (20%)

Magenta (0%)

Yellow (48%)

Black (9%)



Cyan (27%)


Magenta (9%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3836, 0.3483, 0.4624 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 69.3836, 0.3483, 0.4624 by changing the saturation by 10% instead.

 69.3836, 0.3483,
0.4624

 69.3836, 0.3483,
0.4624


458.3827, 0.3347,
0.3977


 51.0242, 0.3504,
0.4775

 118.3293, 0.3443,
0.4396

 36.2278, 0.3523,
0.4962


 149.6844, 0.3426,
0.4308

 24.6102, 0.3537,
0.5198


 186.1401, 0.3409,
0.4233

 15.7869, 0.3536,
0.5499

228.0809, 0.3395,
0.4168

 9.3735, 0.3495,
0.5890

275.8912, 0.3381,
0.4111

 4.9856, 0.3443,
0.6557

329.9553, 0.3369,

 2.2388, 0.2991,

0.4061

0.7009

390.6577, 0.3357,
0.4017

0.7410, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.3836, 0.3483,
0.4624

69.3836, 0.3483,
0.4624

67.7212, 0.3527,
0.4899

71.2713, 0.3423,
0.4335

66.2632, 0.3550,
0.5146

73.3858, 0.3352,
0.4045


64.9996, 0.3551,
0.5351

75.7398, 0.3274,
0.3763


63.9153, 0.3527,
0.5506


78.3426, 0.3194,
0.3496


 62.9892, 0.3482,
0.5609

 81.2027, 0.3113,
0.3249

 62.8406, 0.3473,
0.5624

 84.0553, 0.3061,
0.3063

 85.8353, 0.3125,
0.3067

 86.1903, 0.3138,
0.3068

Harmonies

Analogous

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



69.3836, 0.4118, 0.4451



69.3836, 0.3483, 0.4624



69.3836, 0.2788, 0.4308

Triad

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



69.3836, 0.3483, 0.4624



69.3836, 0.1891, 0.2388



69.3836, 0.4071, 0.2939

Complementary

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



69.3836, 0.3483, 0.4624



27.4668, 0.2577, 0.1903

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.



69.3836, 0.3355, 0.2511



69.3836, 0.3483, 0.4624



69.3836, 0.2140, 0.2192

Square

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



69.3836, 0.3483, 0.4624



69.3836, 0.1914, 0.2869



69.3836, 0.2648, 0.2245



69.3836, 0.4513, 0.3459

Rectangle

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



69.3836, 0.3483, 0.4624



69.3836, 0.2386, 0.3854



69.3836, 0.2648, 0.2245



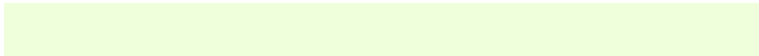
69.3836, 0.3849, 0.2783

Sweetspot

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



69.3867, 0.3483, 0.4624



95.1819, 0.3241, 0.3649



46.0246, 0.4187, 0.3821



20.2258, 0.3258, 0.3707



0.0000, 0.0000, 0.0000



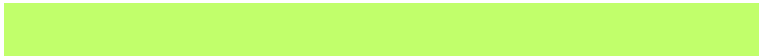
21.4041, 0.3127, 0.3290

Same Dimension

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



69.3867, 0.3483, 0.4624



83.9219, 0.3527, 0.4899



63.7592, 0.3109, 0.4794



16.5005, 0.3203, 0.3527



34.9641, 0.3484, 0.5616



2.6380, 0.3585, 0.5536

Inverse Universe

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



27.4668, 0.2577, 0.1903



26.2016, 0.2429, 0.1603



34.8920, 0.3093, 0.2091



14.1808, 0.3046, 0.3052



4.7231, 0.1879, 0.0809



0.4026, 0.2043, 0.0899

Previews

White Background



This preview shows how the Yxy color 69.3836, 0.3483, 0.4624 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 69.3836, 0.3483, 0.4624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

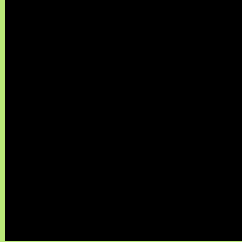
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.3836, 0.3483, 0.4624

Background



This preview shows how black text looks on a background with the Yxy color 69.3836, 0.3483, 0.4624.



This preview shows how white text looks on a background with the Yxy color 69.3836, 0.3483, 0.4624.

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

69.3836, 0.3483, 0.4624

Protanopia

69.0407, 0.3987, 0.4358

Deuteranopia

68.5417, 0.3938, 0.3899



Tritanopia

69.1367, 0.2895, 0.3100

Trichromacy



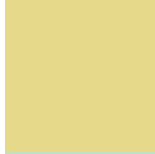
Original Color

69.3836, 0.3483, 0.4624



Protanomaly

68.5870, 0.3799, 0.4450



Deuteranomaly

68.2837, 0.3776, 0.4157



Tritanomaly

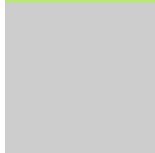
68.8085, 0.3118, 0.3642

Monochromacy



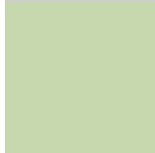
Original Color

69.3836, 0.3483, 0.4624



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.6626, 0.3281, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3836, 0.3483, 0.4624 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, 232, 120)` looks like.

```
.text, #text, p{  
    color:rgb(185, 232, 120)  
}
```

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, 232, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 232, 120) }
```

Border

The CSS property to change the border of an element to Yxy 69.3836, 0.3483, 0.4624 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, 232, 120) }
```

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

```
.border{ border-color:rgb(185, 232, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 232, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 232, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 232, 120);  
box-shadow:4px 4px 4px 4px rgb(185, 232,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3836, 0.3483, 0.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 232, 120) }
```

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

```
.background{ background-color: rgb(185,  
232, 120) }
```

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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