

Converting Colors

$Yxy(67.0320, 0.3451, 0.4595)$

Have a look what the booklet for
Yxy(67.0320, 0.3451, 0.4595)
contains.

Yxy(67.1224, 0.3449, 0.4603)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.1224, 0.3449, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	B4E579
RGB	180, 229, 121
RGB Percent	71%, 90%, 47%
CMY	0.2941, 0.1019, 0.5253
CMYK	0.21, 0.00, 0.47, 0.10
HSL	87°, 67%, 69%
HSV	87°, 47%, 90%
XYZ	50.2944, 67.1224, 28.4064
YIQ	202.0370, 5.4640, -43.9760

Conversions

Conversions Part 2

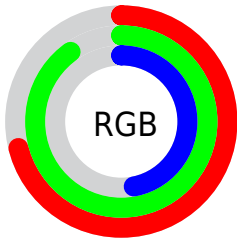
Format	Color
RYB	121, 229, 170
Decimal	11855225
CIELab	85.57, -33.37, 47.32
CIELCh	86, 57.898, 125.189
Yxy	67.1224, 0.3449, 0.4603
Android (android.graphics.Color)	4290045305 (0xFFB4E579)
YUV	202.0370, -39.9512, -19.3264
Hunter-Lab	81.9283, -33.7963, 36.7926

Details

The Yxy color **67.1224, 0.3449, 0.4603** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.8932, 0.2627, 0.1951**, and the grayscale version is **59.3420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6197, 0.3480, 0.4110**, and **34.6768, 0.3487, 0.4941** is the 20% darker color. If you saturate the color by 10%, you get **65.4272, 0.3489, 0.4886**, and if you desaturate by 10%, it is **69.0504, 0.3394, 0.4309**.

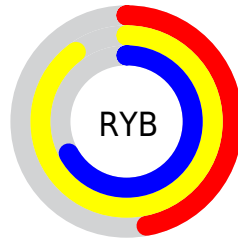
Distribution



Red (71%)

Green (90%)

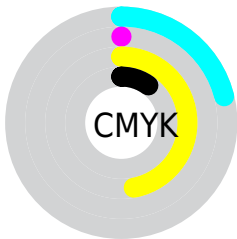
Blue (47%)



Red (47%)

Yellow (90%)

Blue (67%)

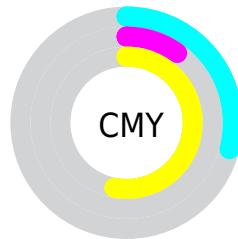


Cyan (21%)

Magenta (0%)

Yellow (47%)

Black (10%)



Cyan (29%)


Magenta (10%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1224, 0.3449, 0.4603 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 67.1224, 0.3449, 0.4603 by changing the saturation by 10% instead.


 67.1224, 0.3449,
0.4603

 67.1224, 0.3449,
0.4603


450.3803, 0.3327,
0.3961


 49.1841, 0.3467,
0.4755


 115.0958, 0.3414,
0.4375

 34.7655, 0.3484,
0.4944


 145.8997, 0.3398,
0.4288

 23.4823, 0.3494,
0.5183

 181.7608, 0.3383,
0.4213

 14.9501, 0.3489,
0.5493

223.0637, 0.3370,
0.4149

 8.7843, 0.3442,
0.5900

270.1927, 0.3357,
0.4093

 4.6008, 0.3387,
0.6613

323.5322, 0.3346,

 2.0150, 0.2901,

0.4044

0.7099

383.4666, 0.3336,
0.4000

0.6162, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.1224, 0.3449,
0.4603

67.1224, 0.3449,
0.4603

65.4272, 0.3489,
0.4886

69.0504, 0.3394,
0.4309

63.9444, 0.3510,
0.5143

71.2130, 0.3328,
0.4016


62.6639, 0.3508,
0.5361


73.6230, 0.3255,
0.3733


61.5708, 0.3483,
0.5527

76.2896, 0.3181,
0.3467

 60.6462, 0.3437,
0.5639

 79.2214, 0.3106,
0.3222

 60.4050, 0.3422,
0.5665

 82.2030, 0.3054,
0.3032

 84.0987, 0.3124,
0.3037

 84.5208, 0.3139,
0.3039

Harmonies

Analogous

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



67.1224, 0.4083, 0.4454



67.1224, 0.3449, 0.4603



67.1224, 0.2764, 0.4268

Triad

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



67.1224, 0.3449, 0.4603



67.1224, 0.1910, 0.2385



67.1224, 0.4086, 0.2966

Complementary

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



67.1224, 0.3449, 0.4603



27.8932, 0.2627, 0.1951

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.



67.1224, 0.3387, 0.2536



67.1224, 0.3449, 0.4603



67.1224, 0.2168, 0.2201

Square

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



67.1224, 0.3449, 0.4603



67.1224, 0.1920, 0.2848



67.1224, 0.2683, 0.2264



67.1224, 0.4505, 0.3483

Rectangle

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



67.1224, 0.3449, 0.4603



67.1224, 0.2372, 0.3813



67.1224, 0.2683, 0.2264



67.1224, 0.3871, 0.2809

Sweetspot

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



67.1253, 0.3449, 0.4603



94.9654, 0.3233, 0.3650



46.6488, 0.4132, 0.3849



20.1731, 0.3249, 0.3709



0.0000, 0.0000, 0.0000



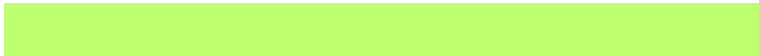
21.4041, 0.3127, 0.3290

Same Dimension

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



67.1253, 0.3449, 0.4603



83.4601, 0.3490, 0.4891



61.8913, 0.3089, 0.4762



16.4750, 0.3198, 0.3527



34.6078, 0.3433, 0.5657



2.6124, 0.3538, 0.5573

Inverse Universe

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



27.8932, 0.2627, 0.1951



27.4830, 0.2485, 0.1649



35.1263, 0.3129, 0.2130



14.2059, 0.3051, 0.3052



4.9848, 0.1939, 0.0842



0.4229, 0.2102, 0.0931

Previews

White Background



This preview shows how the Yxy color 67.1224, 0.3449, 0.4603 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 67.1224, 0.3449, 0.4603 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 67.1224, 0.3449, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 67.1224, 0.3449, 0.4603.

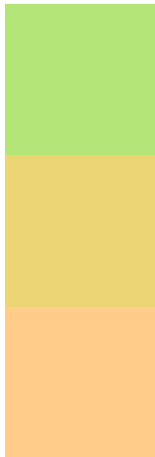


This preview shows how white text looks on a background with the Yxy color 67.1224, 0.3449, 0.4603.

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

67.1224, 0.3449, 0.4603

Protanopia

66.5116, 0.3978, 0.4323

Deuteranopia

66.2807, 0.4037, 0.3969



Tritanopia

66.7880, 0.2873, 0.3086

Trichromacy



Original Color

67.1224, 0.3449, 0.4603



Protanomaly

66.4181, 0.3775, 0.4427



Deuteranomaly

65.7484, 0.3817, 0.4186



Tritanomaly

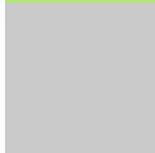
66.5103, 0.3090, 0.3624

Monochromacy



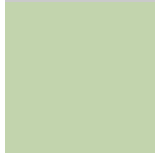
Original Color

67.1224, 0.3449, 0.4603



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.5734, 0.3262, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1224, 0.3449, 0.4603 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(180, 229, 121)` looks like.

```
.text, #text, p{  
    color:rgb(180, 229, 121)  
}
```

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(180, 229, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 229, 121) }
```

Border

The CSS property to change the border of an element to Yxy 67.1224, 0.3449, 0.4603 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(180, 229, 121) }
```

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

```
.border{ border-color:rgb(180, 229, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 229, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 229, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 229, 121);  
box-shadow:4px 4px 4px 4px rgb(180, 229,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1224, 0.3449, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 229, 121) }
```

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

```
.background{ background-color: rgb(180,  
229, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor