

Converting Colors

Yxy(63.7904, 0.3453, 0.4606)

Have a look what the booklet for
Yxy(63.7904, 0.3453, 0.4606)
contains.

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Color

Yxy(63.8494, 0.3450, 0.4606)

Conversions

Conversions Part 1

Format	Color
Hex	B0E076
RGB	176, 224, 118
RGB Percent	69%, 88%, 46%
CMY	0.3099, 0.1215, 0.5372
CMYK	0.21, 0.00, 0.47, 0.12
HSL	87°, 63%, 67%
HSV	87°, 47%, 88%
XYZ	47.8247, 63.8494, 26.9482
YIQ	197.5640, 5.4180, -43.1420

Conversions

Conversions Part 2

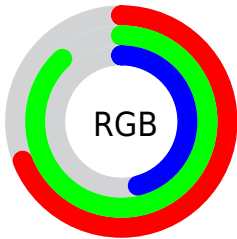
Format	Color
RYB	118, 224, 166
Decimal	11591798
CIELab	83.89, -32.86, 46.65
CIElCh	84, 57.062, 125.163
Yxy	63.8494, 0.3450, 0.4606
Android (android.graphics.Color)	4289781878 (0xFFB0E076)
YUV	197.5640, -39.2251, -18.9116
Hunter-Lab	79.9058, -33.0006, 35.9386

Details

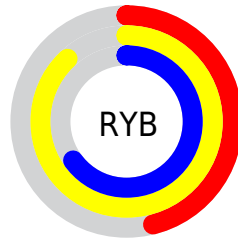
The Yxy color **63.8494, 0.3450, 0.4606** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.4583, 0.2625, 0.1947**, and the grayscale version is **56.4317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8222, 0.3470, 0.4149**, and **32.8342, 0.3485, 0.4962** is the 20% darker color. If you saturate the color by 10%, you get **62.2417, 0.3490, 0.4888**, and if you desaturate by 10%, it is **65.6777, 0.3395, 0.4312**.

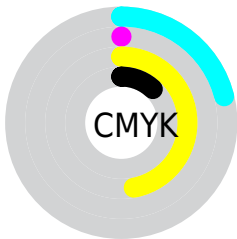
Distribution



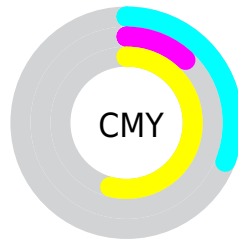
- Red (69%)
- Green (88%)
- Blue (46%)



- Red (46%)
- Yellow (88%)
- Blue (65%)



- Cyan (21%)
- Magenta (0%)
- Yellow (47%)
- Black (12%)





- Cyan (31%)
- Magenta (12%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8494, 0.3450, 0.4606 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 63.8494, 0.3450, 0.4606 by changing the saturation by 10% instead.

 63.8494, 0.3450,
0.4606

 63.8494, 0.3450,
0.4606


438.6456, 0.3326,
0.3957

 46.5287, 0.3469,
0.4761

 110.3940, 0.3414,
0.4375

 32.6632, 0.3485,
0.4954


 140.3867, 0.3398,
0.4286

 21.8686, 0.3496,
0.5201


 175.3722, 0.3383,
0.4211

 13.7604, 0.3488,
0.5521

215.7350, 0.3369,
0.4146

 7.9542, 0.3437,
0.5947

261.8592, 0.3357,
0.4090

 4.0656, 0.3347,
0.6653

314.1295, 0.3346,

 1.7104, 0.2781,

0.4040

0.7219

372.9302, 0.3336,
0.3996

0.4303, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8494, 0.3450,
0.4606

63.8494, 0.3450,
0.4606

62.2417, 0.3490,
0.4888

65.6777, 0.3395,
0.4312

60.8352, 0.3511,
0.5145


67.7283, 0.3329,
0.4019


59.6204, 0.3509,
0.5362


70.0133, 0.3257,
0.3737


58.5832, 0.3483,
0.5527


72.5415, 0.3182,
0.3472


 57.7052, 0.3437,
0.5639

 75.3209, 0.3107,
0.3226

 57.4893, 0.3424,
0.5664

 78.3595, 0.3035,
0.3003

 80.3209, 0.3087,
0.2984

 81.7980, 0.3141,
0.2990

Harmonies

Analogous

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



63.8494, 0.4085, 0.4456



63.8494, 0.3450, 0.4606



63.8494, 0.2763, 0.4270

Triad

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



63.8494, 0.3450, 0.4606



63.8494, 0.1907, 0.2383



63.8494, 0.4087, 0.2965

Complementary

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



63.8494, 0.3450, 0.4606



26.4583, 0.2625, 0.1947

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.



63.8494, 0.3387, 0.2534



63.8494, 0.3450, 0.4606



63.8494, 0.2166, 0.2200

Square

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



63.8494, 0.3450, 0.4606



63.8494, 0.1918, 0.2847



63.8494, 0.2681, 0.2262



63.8494, 0.4507, 0.3483

Rectangle

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



63.8494, 0.3450, 0.4606



63.8494, 0.2371, 0.3815



63.8494, 0.2681, 0.2262



63.8494, 0.3872, 0.2808

Sweetspot

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



63.8522, 0.3450, 0.4606



94.9690, 0.3233, 0.3650



44.3271, 0.4135, 0.3851



20.1740, 0.3249, 0.3709



0.0000, 0.0000, 0.0000



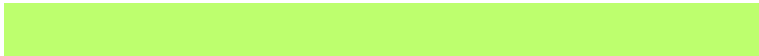
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8522, 0.3450, 0.4606



83.4709, 0.3490, 0.4891



58.8609, 0.3089, 0.4766



15.7046, 0.3198, 0.3526



33.5280, 0.3434, 0.5655



2.3770, 0.3546, 0.5567

Inverse Universe

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



26.4583, 0.2625, 0.1947



27.4732, 0.2484, 0.1649



33.3594, 0.3129, 0.2127



13.5460, 0.3051, 0.3053



4.8278, 0.1939, 0.0842



0.3873, 0.2111, 0.0937

Previews

White Background



This preview shows how the Yxy color 63.8494, 0.3450, 0.4606 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 63.8494, 0.3450, 0.4606 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 63.8494, 0.3450, 0.4606

Background



This preview shows how black text looks on a background with the Yxy color 63.8494, 0.3450, 0.4606.

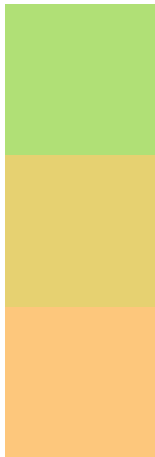


This preview shows how white text looks on a background with the Yxy color 63.8494, 0.3450, 0.4606.

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

63.8494, 0.3450, 0.4606

Protanopia

63.6162, 0.3978, 0.4332

Deuteranopia

63.1847, 0.4149, 0.4060



Tritanopia

63.7648, 0.2874, 0.3105

Trichromacy



Original Color

63.8494, 0.3450, 0.4606



Protanomaly

63.0326, 0.3775, 0.4429



Deuteranomaly

62.5244, 0.3883, 0.4250



Tritanomaly

63.1817, 0.3097, 0.3631

Monochromacy



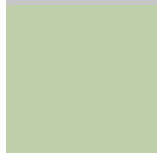
Original Color

63.8494, 0.3450, 0.4606



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.4374, 0.3265, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8494, 0.3450, 0.4606 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(176, 224, 118)` looks like.

```
.text, #text, p{  
    color:rgb(176, 224, 118)  
}
```

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(176, 224, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 118) }
```

Border

The CSS property to change the border of an element to Yxy 63.8494, 0.3450, 0.4606 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(176, 224, 118) }
```

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

```
.border{ border-color:rgb(176, 224, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 224, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 224, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 224, 118);  
box-shadow:4px 4px 4px 4px rgb(176, 224,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8494, 0.3450, 0.4606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 224, 118) }
```

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

```
.background{ background-color: rgb(176,  
224, 118) }
```

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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