

Converting Colors

Yxy(59.8306, 0.3650, 0.4695)

Have a look what the booklet for
Yxy(59.8306, 0.3650, 0.4695)
contains.

Yxy(59.8353, 0.3653, 0.4690)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.8353, 0.3653, 0.4690)

Conversions

Conversions Part 1

Format	Color
Hex	B9D764
RGB	185, 215, 100
RGB Percent	73%, 84%, 39%
CMY	0.2745, 0.1568, 0.6080
CMYK	0.14, 0.00, 0.54, 0.16
HSL	76°, 59%, 62%
HSV	76°, 54%, 84%
XYZ	46.6052, 59.8353, 21.1401
YIQ	192.9200, 19.0350, -42.1250

Conversions

Conversions Part 2

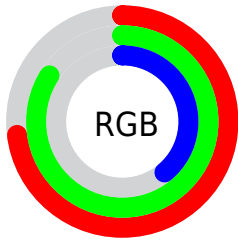
Format	Color
RYB	100, 215, 130
Decimal	12179300
CIELab	81.75, -27.05, 52.72
CIELCh	82, 59.258, 117.163
Yxy	59.8353, 0.3653, 0.4690
Android (android.graphics.Color)	4290369380 (0xFFB9D764)
YUV	192.9200, -45.8096, -6.9458
Hunter-Lab	77.3533, -27.8224, 37.9438

Details

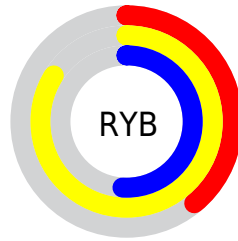
The Yxy color **59.8353, 0.3653, 0.4690** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **18.7591, 0.2338, 0.1685**, and the grayscale version is **53.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9078, 0.3640, 0.4305**, and **30.0140, 0.3723, 0.5047** is the 20% darker color. If you saturate the color by 10%, you get **58.7913, 0.3714, 0.4921**, and if you desaturate by 10%, it is **61.0221, 0.3573, 0.4434**.

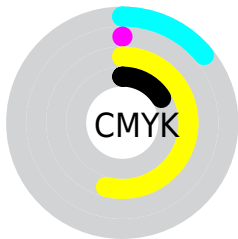
Distribution



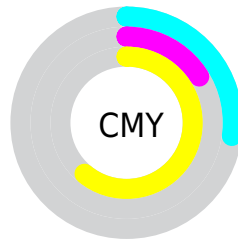
- Red (73%)
- Green (84%)
- Blue (39%)



- Red (39%)
- Yellow (84%)
- Blue (51%)



- Cyan (14%)
- Magenta (0%)
- Yellow (54%)
- Black (16%)





- Cyan (27%)
- Magenta (16%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8353, 0.3653, 0.4690 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 59.8353, 0.3653, 0.4690 by changing the saturation by 10% instead.


 59.8353, 0.3653,
0.4690

 59.8353, 0.3653,
0.4690


423.9904, 0.3437,
0.4005

 43.2859, 0.3690,
0.4850


 104.5907, 0.3587,
0.4448


 30.1095, 0.3726,
0.5047


 133.5655, 0.3559,
0.4355

 19.9217, 0.3757,
0.5291

 167.4509, 0.3533,
0.4275

 12.3382, 0.3767,
0.5598

 206.6313, 0.3510,
0.4206

 6.9744, 0.3791,
0.6086

251.4910, 0.3489,
0.4146

 3.4461, 0.3552,
0.6448

302.4145, 0.3470,

 1.3688, 0.2961,

0.4093

0.7039

359.7862, 0.3453,
0.4046

■ 0.1936, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8353, 0.3653,
0.4690

■ 59.8353, 0.3653,
0.4690

■ 58.7913, 0.3714,
0.4921

■ 61.0221, 0.3573,
0.4434

■ 57.8728, 0.3752,
0.5116

■ 62.3517, 0.3479,
0.4165

■ 57.0719, 0.3765,
0.5267

■ 63.8344, 0.3377,
0.3894


■ 56.3761, 0.3752,
0.5370

■ 65.4769, 0.3270,
0.3628


 55.9668, 0.3734,
0.5417

 67.2858, 0.3164,
0.3375

 69.2671, 0.3060,
0.3138

 71.4264, 0.2961,
0.2919

 72.6273, 0.2971,
0.2879

 73.5699, 0.3009,
0.2884

Harmonies

Analogous

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



59.8353, 0.4279, 0.4409



59.8353, 0.3653, 0.4690



59.8353, 0.2924, 0.4486

Triad

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



59.8353, 0.3653, 0.4690



59.8353, 0.1820, 0.2429



59.8353, 0.3964, 0.2812

Complementary

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



59.8353, 0.3653, 0.4690



18.7591, 0.2338, 0.1685

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.



59.8353, 0.3189, 0.2400



59.8353, 0.3653, 0.4690



59.8353, 0.2016, 0.2166

Square

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



59.8353, 0.3653, 0.4690



59.8353, 0.1907, 0.2996



59.8353, 0.2485, 0.2170



59.8353, 0.4516, 0.3336

Rectangle

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



59.8353, 0.3653, 0.4690



59.8353, 0.2478, 0.4059



59.8353, 0.2485, 0.2170



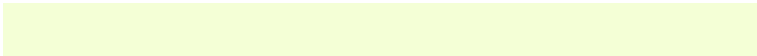
59.8353, 0.3715, 0.2658

Sweetspot

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



59.8380, 0.3653, 0.4690



95.6818, 0.3299, 0.3698



30.9964, 0.4479, 0.3640



20.3709, 0.3321, 0.3753



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.



59.8380, 0.3653, 0.4690



86.3482, 0.3720, 0.4945



54.1706, 0.3226, 0.4906



14.3494, 0.3227, 0.3523



33.5254, 0.3741, 0.5411



2.0610, 0.3823, 0.5347

Inverse Universe

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



18.7591, 0.2338, 0.1685



19.9396, 0.2139, 0.1343



24.4848, 0.2886, 0.1903



12.1638, 0.3022, 0.3052



3.4830, 0.1661, 0.0689



0.2503, 0.1843, 0.0789

Previews

White Background



This preview shows how the Yxy color 59.8353, 0.3653, 0.4690 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 59.8353, 0.3653, 0.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

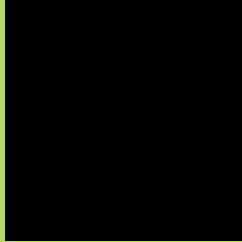
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8353, 0.3653, 0.4690

Background



This preview shows how black text looks on a background with the Yxy color 59.8353, 0.3653, 0.4690.



This preview shows how white text looks on a background with the Yxy color 59.8353, 0.3653, 0.4690.

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

59.8353, 0.3653, 0.4690

Protanopia

59.5640, 0.4075, 0.4453

Deuteranopia

59.3203, 0.4279, 0.4179



Tritanopia

59.4451, 0.2993, 0.3103

Trichromacy



Original Color

59.8353, 0.3653, 0.4690

Protanomaly

59.1904, 0.3918, 0.4543

Deuteranomaly

58.9415, 0.4047, 0.4357

Tritanomaly

59.1901, 0.3254, 0.3683

Monochromacy



Original Color

59.8353, 0.3653, 0.4690

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

55.2236, 0.3348, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8353, 0.3653, 0.4690 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, 215, 100)` looks like.

```
.text, #text, p{  
    color:rgb(185, 215, 100)  
}
```

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, 215, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 215, 100) }
```

Border

The CSS property to change the border of an element to Yxy 59.8353, 0.3653, 0.4690 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, 215, 100) }
```

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

```
.border{ border-color:rgb(185, 215, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 215, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 215, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 215, 100);  
box-shadow:4px 4px 4px 4px rgb(185, 215,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8353, 0.3653, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 215, 100) }
```

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

```
.background{ background-color: rgb(185,  
215, 100) }
```

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