

Converting Colors

Yxy(53.8747, 0.3614, 0.4594)

Have a look what the booklet for
Yxy(53.8747, 0.3614, 0.4594)
contains.

Yxy(53.9890, 0.3612, 0.4598)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.9890, 0.3612, 0.4598)

Conversions

Conversions Part 1

Format	Color
Hex	B1CD67
RGB	177, 205, 103
RGB Percent	69%, 80%, 40%
CMY	0.3059, 0.1961, 0.5961
CMYK	0.14, 0.00, 0.50, 0.20
HSL	76°, 50%, 60%
HSV	76°, 50%, 80%
XYZ	42.4115, 53.9890, 21.0179
YIQ	185.0000, 16.0540, -37.6580

Conversions

Conversions Part 2

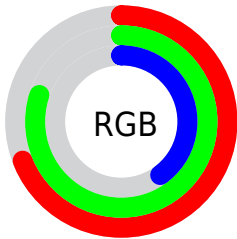
Format	Color
RYB	103, 205, 131
Decimal	11652455
CIELab	78.46, -25.06, 47.27
CIELCh	78, 53.499, 117.929
Yxy	53.9890, 0.3612, 0.4598
Android (android.graphics.Color)	4289842535 (0xFFB1CD67)
YUV	185.0000, -40.4260, -7.0160
Hunter-Lab	73.4772, -25.5537, 34.4743

Details

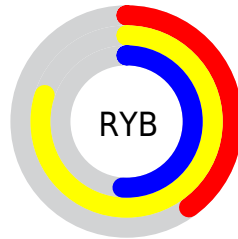
The Yxy color **53.9890, 0.3612, 0.4598** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **18.9350, 0.2420, 0.1816**, and the grayscale version is **48.7398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4127, 0.3567, 0.4308**, and **26.5187, 0.3680, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **52.9816, 0.3679, 0.4842**, and if you desaturate by 10%, it is **55.1294, 0.3529, 0.4334**.

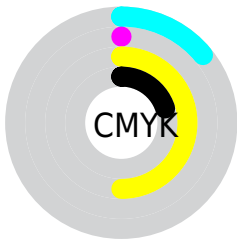
Distribution



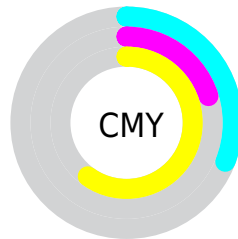
- Red (69%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (51%)



- Cyan (14%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)





- Cyan (31%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9890, 0.3612, 0.4598 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 53.9890, 0.3612, 0.4598 by changing the saturation by 10% instead.


 53.9890, 0.3612,
0.4598


 53.9890, 0.3612,
0.4598


402.0681, 0.3406,
0.3944

 38.5929, 0.3649,
0.4755

 96.0581, 0.3547,
0.4364


 26.4432, 0.3688,
0.4952


 123.4998, 0.3520,
0.4274

 17.1555, 0.3723,
0.5202


 155.7256, 0.3495,
0.4198

 10.3454, 0.3741,
0.5523

 193.1197, 0.3473,
0.4133

 5.6286, 0.3791,
0.6073

236.0666, 0.3453,
0.4077

 2.6206, 0.3532,
0.6468

284.9507, 0.3436,

 0.9370, 0.2288,

0.4027

0.7712

340.1564, 0.3420,
0.3983

■ 0.0000, 0.0000,
0.0000

■ 53.9890, 0.3612,
0.4598

■ 53.9890, 0.3612,
0.4598

■ 52.9816, 0.3679,
0.4842

■ 55.1294, 0.3529,
0.4334

■ 52.0922, 0.3724,
0.5055

■ 56.4026, 0.3434,
0.4063

■ 51.3141, 0.3744,
0.5226

■ 57.8175, 0.3332,
0.3792


■ 50.6371, 0.3739,
0.5350

■ 59.3802, 0.3228,
0.3531

■ 50.0425, 0.3713,
0.5432


■ 61.0962, 0.3125,
0.3284

 50.0284, 0.3712,
0.5434

 62.9708, 0.3025,
0.3055

 65.0091, 0.2930,
0.2844

 66.4182, 0.2915,
0.2765

 67.3219, 0.2954,
0.2771

Harmonies

Analogous

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



53.9890, 0.4202, 0.4359



53.9890, 0.3612, 0.4598



53.9890, 0.2926, 0.4387

Triad

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



53.9890, 0.3612, 0.4598



53.9890, 0.1894, 0.2475



53.9890, 0.3927, 0.2854

Complementary

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



53.9890, 0.3612, 0.4598



18.9350, 0.2420, 0.1816

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.



53.9890, 0.3207, 0.2458



53.9890, 0.3612, 0.4598



53.9890, 0.2087, 0.2228

Square

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



53.9890, 0.3612, 0.4598



53.9890, 0.1972, 0.3004



53.9890, 0.2540, 0.2234



53.9890, 0.4433, 0.3355

Rectangle

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



53.9890, 0.3612, 0.4598



53.9890, 0.2508, 0.3986



53.9890, 0.2540, 0.2234



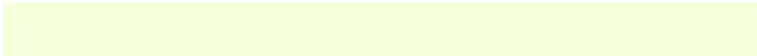
53.9890, 0.3697, 0.2706

Sweetspot

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



53.9914, 0.3612, 0.4598



95.8394, 0.3284, 0.3672



29.9787, 0.4327, 0.3640



20.3983, 0.3307, 0.3728



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.



53.9914, 0.3612, 0.4598



86.6252, 0.3684, 0.4865



49.1409, 0.3213, 0.4784



12.9359, 0.3224, 0.3522



31.1925, 0.3719, 0.5429



1.6456, 0.3816, 0.5352

Inverse Universe

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



18.9350, 0.2420, 0.1816



22.6522, 0.2226, 0.1470



23.9577, 0.2927, 0.2005



10.9905, 0.3024, 0.3053



3.3133, 0.1678, 0.0698



0.2093, 0.1893, 0.0816

Previews

White Background



This preview shows how the Yxy color 53.9890, 0.3612, 0.4598 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 53.9890, 0.3612, 0.4598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

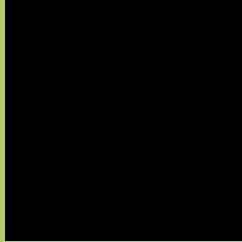
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.9890, 0.3612, 0.4598

Background



This preview shows how black text looks on a background with the Yxy color 53.9890, 0.3612, 0.4598.



This preview shows how white text looks on a background with the Yxy color 53.9890, 0.3612, 0.4598.

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

53.9890, 0.3612, 0.4598

Protanopia

53.7806, 0.4018, 0.4385

Deuteranopia

53.6135, 0.4206, 0.4127



Tritanopia

53.6905, 0.2987, 0.3095

Trichromacy



Original Color

53.9890, 0.3612, 0.4598

Protanomaly

53.7258, 0.3873, 0.4467

Deuteranomaly

53.1870, 0.3991, 0.4291

Tritanomaly

53.1491, 0.3231, 0.3636

Monochromacy



Original Color

53.9890, 0.3612, 0.4598

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.0109, 0.3327, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9890, 0.3612, 0.4598 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(177, 205, 103)` looks like.

```
.text, #text, p{  
    color:rgb(177, 205, 103)  
}
```

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(177, 205, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 205, 103) }
```

Border

The CSS property to change the border of an element to Yxy 53.9890, 0.3612, 0.4598 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(177, 205, 103) }
```

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

```
.border{ border-color:rgb(177, 205, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 205, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 205, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 205, 103);  
box-shadow:4px 4px 4px 4px rgb(177, 205,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9890, 0.3612, 0.4598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 205, 103) }
```

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

```
.background{ background-color: rgb(177,  
205, 103) }
```

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