

Converting Colors

$Y_{xy}(43.2453, 0.3651, 0.4985)$

Have a look what the booklet for
Yxy(43.2453, 0.3651, 0.4985)
contains.

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Color

Yxy(43.1781, 0.3647, 0.4987)

Conversions

Conversions Part 1

Format	Color
Hex	95BD42
RGB	149, 189, 66
RGB Percent	58%, 74%, 26%
CMY	0.4157, 0.2588, 0.7411
CMYK	0.21, 0.00, 0.65, 0.26
HSL	80°, 48%, 50%
HSV	80°, 65%, 74%
XYZ	31.5762, 43.1781, 11.8270
YIQ	163.0180, 15.6430, -46.7330

Conversions

Conversions Part 2

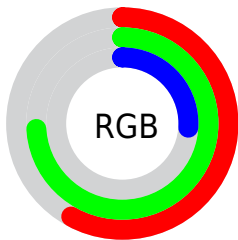
Format	Color
RYB	66, 189, 106
Decimal	9813314
CIELab	71.68, -31.62, 55.74
CIELCh	72, 64.083, 119.565
Yxy	43.1781, 0.3647, 0.4987
Android (android.graphics.Color)	4288003394 (0xFF95BD42)
YUV	163.0180, -47.8299, -12.2938
Hunter-Lab	65.7100, -29.2165, 35.3256

Details

The Yxy color **43.1781, 0.3647, 0.4987** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **10.6388, 0.2218, 0.1381**, and the grayscale version is **36.8616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7827, 0.3592, 0.4660**, and **19.7076, 0.3680, 0.5460** is the 20% darker color. If you saturate the color by 10%, you get **42.4295, 0.3671, 0.5190**, and if you desaturate by 10%, it is **44.0347, 0.3600, 0.4748**.

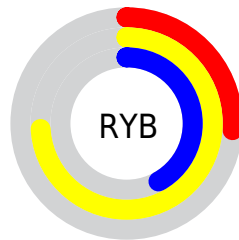
Distribution



Red (58%)

Green (74%)

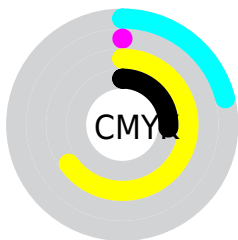
Blue (26%)



Red (26%)

Yellow (74%)

Blue (42%)

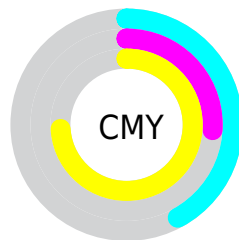


Cyan (21%)

Magenta (0%)

Yellow (65%)

Black (26%)



Cyan (42%)


Magenta (26%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1781, 0.3647, 0.4987 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 43.1781, 0.3647, 0.4987 by changing the saturation by 10% instead.


 43.1781, 0.3647,
0.4987


 43.1781, 0.3647,
0.4987


359.3437, 0.3442,
0.4109

 30.0249, 0.3671,
0.5202


 79.9795, 0.3590,
0.4668

 19.8575, 0.3684,
0.5468


 104.3966, 0.3563,
0.4548


 12.2915, 0.3665,
0.5799


 133.3370, 0.3538,
0.4446

 6.9425, 0.3654,
0.6346

 167.1852, 0.3515,
0.4359

 3.4262, 0.3317,
0.6683

 206.3255, 0.3494,
0.4283

 1.3581, 0.2516,
0.7484

251.1425, 0.3475,

 0.1855, 0.0000,

0.4218

1.0000

302.0204, 0.3457,
0.4160

0.0000, 0.0000,
0.0000

43.1781, 0.3647,
0.4987

43.1781, 0.3647,
0.4987

42.4295, 0.3671,
0.5190

44.0347, 0.3600,
0.4748

41.7752, 0.3671,
0.5348

45.0005, 0.3534,
0.4486

41.2073, 0.3647,
0.5457

46.0838, 0.3453,
0.4212

40.9493, 0.3630,
0.5500

47.2902, 0.3364,
0.3936

48.6252, 0.3270,
0.3668

■ 50.0935, 0.3175,
0.3413

■ 51.6998, 0.3081,
0.3175

■ 53.4486, 0.2992,
0.2956

■ 55.3441, 0.2907,
0.2757

Harmonies

Analogous

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



43.1781, 0.4413, 0.4625



43.1781, 0.3647, 0.4987



43.1781, 0.2792, 0.4720

Triad

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



43.1781, 0.3647, 0.4987



43.1781, 0.1614, 0.2223



43.1781, 0.4201, 0.2762

Complementary

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



43.1781, 0.3647, 0.4987



10.6388, 0.2218, 0.1381

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.



43.1781, 0.3266, 0.2282



43.1781, 0.3647, 0.4987



43.1781, 0.1860, 0.1965

Square

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



43.1781, 0.3647, 0.4987



43.1781, 0.1676, 0.2846



43.1781, 0.2418, 0.1999



43.1781, 0.4828, 0.3362

Rectangle

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



43.1781, 0.3647, 0.4987



43.1781, 0.2285, 0.4155



43.1781, 0.2418, 0.1999



43.1781, 0.3902, 0.2585

Sweetspot

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



43.1800, 0.3647, 0.4987



85.7996, 0.3320, 0.3807



21.3091, 0.4810, 0.3793



18.3087, 0.3346, 0.3883



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



43.1800, 0.3647, 0.4987



75.4786, 0.3674, 0.5262



38.8928, 0.3161, 0.5285



10.9608, 0.3216, 0.3520



27.5936, 0.3637, 0.5494



1.1148, 0.3775, 0.5385

Inverse Universe

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



10.6388, 0.2218, 0.1381



12.9157, 0.1992, 0.1031



15.7297, 0.2916, 0.1701



9.3720, 0.3033, 0.3056



3.1869, 0.1745, 0.0735



0.1611, 0.2028, 0.0891

Previews

White Background



This preview shows how the Yxy color 43.1781, 0.3647, 0.4987 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 43.1781, 0.3647, 0.4987 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 43.1781, 0.3647, 0.4987

Background



This preview shows how black text looks on a background with the Yxy color 43.1781, 0.3647, 0.4987.



This preview shows how white text looks on a background with the Yxy color 43.1781, 0.3647, 0.4987.

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

43.1781, 0.3647, 0.4987

Protanopia

42.7435, 0.4214, 0.4623

Deuteranopia

42.5052, 0.4426, 0.4329



Tritanopia

43.0984, 0.2909, 0.3100

Trichromacy



Original Color

43.1781, 0.3647, 0.4987

Protanomaly

42.5851, 0.4004, 0.4762

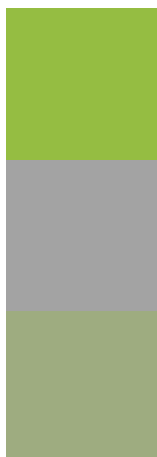
Deuteranomaly

41.9208, 0.4138, 0.4567

Tritanomaly

42.4940, 0.3215, 0.3794

Monochromacy



Original Color

43.1781, 0.3647, 0.4987

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.3327, 0.3370, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1781, 0.3647, 0.4987 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(149, 189, 66)` looks like.

```
.text, #text, p{  
    color:rgb(149, 189, 66)  
}
```

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(149, 189, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 189, 66) }
```

Border

The CSS property to change the border of an element to Yxy 43.1781, 0.3647, 0.4987 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(149, 189, 66) }
```

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

```
.border{ border-color:rgb(149, 189, 66) }
```

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

Here you see how a box with a 4 pixel rgb(149, 189, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 189, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 189, 66);  
box-shadow:4px 4px 4px 4px rgb(149, 189,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1781, 0.3647, 0.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 189, 66) }
```

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

```
.background{ background-color: rgb(149,  
189, 66) }
```

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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