

Converting Colors

$Y_{xy}(44.1037, 0.3896, 0.5122)$

Have a look what the booklet for
Yxy(44.1037, 0.3896, 0.5122)
contains.

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Color

Yxy(43.8865, 0.3897, 0.5117)

Conversions

Conversions Part 1

Format	Color
Hex	A3BC25
RGB	163, 188, 37
RGB Percent	64%, 74%, 15%
CMY	0.3607, 0.2627, 0.8550
CMYK	0.13, 0.00, 0.80, 0.26
HSL	70°, 67%, 44%
HSV	70°, 80%, 74%
XYZ	33.4230, 43.8865, 8.4565
YIQ	163.3110, 33.5710, -52.2610

Conversions

Conversions Part 2

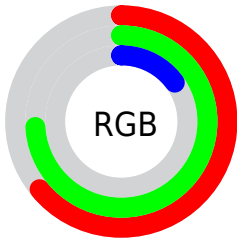
Format	Color
R _Y B	37, 188, 62
Decimal	10730533
CIE Lab	72.15, -27.05, 66.66
CIE LCh	72, 71.936, 112.089
Yxy	43.8865, 0.3897, 0.5117
Android (android.graphics.Color)	4288920613 (0xFFA3BC25)
YUV	163.3110, -62.2713, -0.2727
Hunter-Lab	66.2469, -25.8748, 38.8043

Details

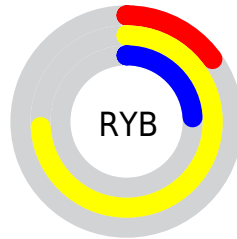
The Yxy color **43.8865, 0.3897, 0.5117** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.9749, 0.1781, 0.0908**, and the grayscale version is **37.0696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9180, 0.3815, 0.4802**, and **20.4537, 0.3840, 0.5333** is the 20% darker color. If you saturate the color by 10%, you get **43.4750, 0.3910, 0.5219**, and if you desaturate by 10%, it is **44.3708, 0.3858, 0.4970**.

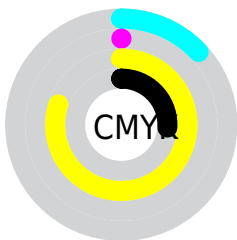
Distribution



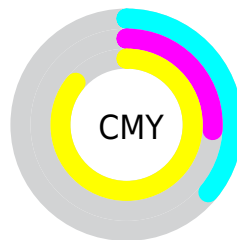
- Red (64%)
- Green (74%)
- Blue (15%)



- Red (15%)
- Yellow (74%)
- Blue (24%)



- Cyan (13%)
- Magenta (0%)
- Yellow (80%)
- Black (26%)



- Cyan (36%)
- Magenta (26%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8865, 0.3897, 0.5117 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 43.8865, 0.3897, 0.5117 by changing the saturation by 10% instead.

43.8865, 0.3897,
0.5117

43.8865, 0.3897,
0.5117

362.2449, 0.3592,
0.4208

30.5813, 0.3933,
0.5319

81.0469, 0.3813,
0.4800

20.2802, 0.3953,
0.5557

105.6709, 0.3773,
0.4676

12.5989, 0.3950,
0.5854

134.8367, 0.3736,
0.4570

7.1529, 0.3847,
0.6153

168.9285, 0.3702,
0.4477

3.5579, 0.3566,
0.6434

208.3309, 0.3670,
0.4397

1.4295, 0.3020,
0.6980

253.4281, 0.3642,

0.2383, 0.0000,

0.4326

1.0000

304.6047, 0.3616,
0.4264

■ 0.0000, 0.0000,
0.0000

■ 43.8865, 0.3897,
0.5117

■ 43.8865, 0.3897,
0.5117

■ 43.4750, 0.3910,
0.5219

■ 44.3708, 0.3858,
0.4970

■ 43.1249, 0.3904,
0.5282

■ 44.9303, 0.3795,
0.4782

■ 45.5738, 0.3709,
0.4561

■ 46.3076, 0.3607,
0.4316

■ 47.1371, 0.3493,
0.4059

■ 48.0675, 0.3373,
0.3799

■ 49.1034, 0.3251,
0.3543

■ 50.2493, 0.3131,
0.3298

■ 51.5091, 0.3015,
0.3068

Harmonies

Analogous

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



43.8865, 0.4688, 0.4566



43.8865, 0.3897, 0.5117



43.8865, 0.2965, 0.5067

Triad

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



43.8865, 0.3897, 0.5117



43.8865, 0.1465, 0.2234



43.8865, 0.4073, 0.2559

Complementary

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



43.8865, 0.3897, 0.5117



5.9749, 0.1781, 0.0908

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.



43.8865, 0.3016, 0.2090



43.8865, 0.3897, 0.5117



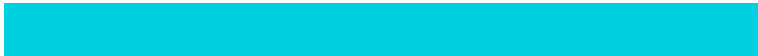
43.8865, 0.1648, 0.1877

Square

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



43.8865, 0.3897, 0.5117



43.8865, 0.1609, 0.3019



43.8865, 0.2160, 0.1849



43.8865, 0.4903, 0.3176

Rectangle

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



43.8865, 0.3897, 0.5117



43.8865, 0.2378, 0.4539



43.8865, 0.2160, 0.1849



43.8865, 0.3720, 0.2381

Sweetspot

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



43.8885, 0.3897, 0.5117



86.4068, 0.3423, 0.3904



14.0175, 0.5675, 0.3509



18.4533, 0.3465, 0.3997



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.



43.8885, 0.3897, 0.5117



78.3154, 0.3905, 0.5266



38.2657, 0.3276, 0.5568



11.0385, 0.3239, 0.3518



29.3887, 0.3907, 0.5280



1.1728, 0.3980, 0.5222

Inverse Universe

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



5.9749, 0.1781, 0.0908



7.4378, 0.1590, 0.0664



10.1147, 0.2521, 0.1291



9.2992, 0.3009, 0.3055



2.6938, 0.1579, 0.0643



0.1295, 0.1783, 0.0756

Previews

White Background



This preview shows how the Yxy color 43.8865, 0.3897, 0.5117 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 43.8865, 0.3897, 0.5117 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 43.8865, 0.3897, 0.5117

Background



This preview shows how black text looks on a background with the Yxy color 43.8865, 0.3897, 0.5117.



This preview shows how white text looks on a background with the Yxy color 43.8865, 0.3897, 0.5117.

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

43.8865, 0.3897, 0.5117

Protanopia

43.7019, 0.4342, 0.4796

Deuteranopia

43.7483, 0.4590, 0.4496



Tritanopia

43.6812, 0.3032, 0.3106

Trichromacy



Original Color

43.8865, 0.3897, 0.5117

Protanomaly

43.6082, 0.4178, 0.4914

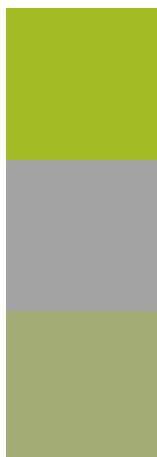
Deuteranomaly

43.2593, 0.4345, 0.4714

Tritanomaly

43.1344, 0.3432, 0.3933

Monochromacy



Original Color

43.8865, 0.3897, 0.5117

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.5759, 0.3511, 0.4096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8865, 0.3897, 0.5117 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(163, 188, 37)` looks like.

```
.text, #text, p{  
    color:rgb(163, 188, 37)  
}
```

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(163, 188, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 188, 37) }
```

Border

The CSS property to change the border of an element to Yxy 43.8865, 0.3897, 0.5117 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(163, 188, 37) }
```

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

```
.border{ border-color:rgb(163, 188, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 188, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 188, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 188, 37);  
box-shadow:4px 4px 4px 4px rgb(163, 188,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8865, 0.3897, 0.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 188, 37) }
```

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

```
.background{ background-color: rgb(163,  
188, 37) }
```

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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