

Converting Colors

$Y_{xy}(43.6917, 0.3705, 0.5076)$

Have a look what the booklet for
Yxy(43.6917, 0.3705, 0.5076)
contains.

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Color

Yxy(43.6917, 0.3705, 0.5076)

Conversions

Conversions Part 1

Format	Color
Hex	97BE38
RGB	151, 190, 56
RGB Percent	59%, 75%, 22%
CMY	0.4078, 0.2549, 0.7804
CMYK	0.21, 0.00, 0.71, 0.25
HSL	77°, 54%, 48%
HSV	77°, 71%, 75%
XYZ	31.8908, 43.6917, 10.4925
YIQ	163.0630, 19.7700, -49.9420

Conversions

Conversions Part 2

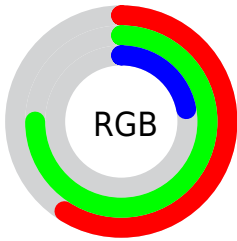
Format	Color
RYB	56, 190, 95
Decimal	9944632
CIELab	72.02, -31.97, 60.07
CIELCh	72, 68.045, 118.020
Yxy	43.6917, 0.3705, 0.5076
Android (android.graphics.Color)	4288134712 (0xFF97BE38)
YUV	163.0630, -52.7821, -10.5793
Hunter-Lab	66.0997, -29.5544, 36.8582

Details

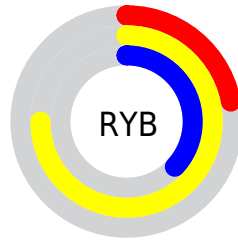
The Yxy color **43.6917, 0.3705, 0.5076** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.9778, 0.2084, 0.1213**, and the grayscale version is **36.9057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4691, 0.3646, 0.4744**, and **20.0951, 0.3695, 0.5448** is the 20% darker color. If you saturate the color by 10%, you get **43.0250, 0.3722, 0.5248**, and if you desaturate by 10%, it is **44.4576, 0.3664, 0.4863**.

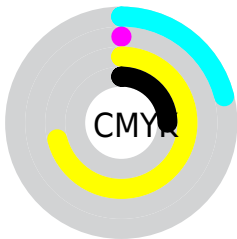
Distribution



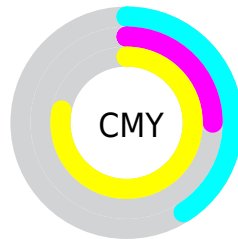
- Red (59%)
- Green (75%)
- Blue (22%)



- Red (22%)
- Yellow (75%)
- Blue (37%)



- Cyan (21%)
- Magenta (0%)
- Yellow (71%)
- Black (25%)





- Cyan (41%)
- Magenta (25%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6917, 0.3705, 0.5076 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 43.6917, 0.3705, 0.5076 by changing the saturation by 10% instead.


 43.6917, 0.3705,
0.5076

 43.6917, 0.3705,
0.5076


361.4487, 0.3481,
0.4161


 30.4282, 0.3729,
0.5294


 80.7536, 0.3645,
0.4747


 20.1638, 0.3738,
0.5560


 105.3209, 0.3616,
0.4622

 12.5142, 0.3710,
0.5883


 134.4248, 0.3588,
0.4516

 7.0949, 0.3649,
0.6351

 168.4498, 0.3563,
0.4424

 3.5215, 0.3314,
0.6686

 207.7803, 0.3540,
0.4345

 1.4097, 0.2558,
0.7442

252.8007, 0.3518,

 0.2238, 0.0000,

0.4276

1.0000

303.8954, 0.3499,
0.4215

■ 0.0000, 0.0000,
0.0000

■ 43.6917, 0.3705,
0.5076

■ 43.6917, 0.3705,
0.5076

■ 43.0250, 0.3722,
0.5248

■ 44.4576, 0.3664,
0.4863

■ 42.4429, 0.3713,
0.5373

■ 45.3244, 0.3602,
0.4618

■ 41.9554, 0.3687,
0.5454

■ 46.3006, 0.3522,
0.4354

■ 47.3922, 0.3431,
0.4082

■ 48.6046, 0.3333,
0.3811

■ 49.9429, 0.3233,
0.3550

■ 51.4118, 0.3132,
0.3303

■ 53.0158, 0.3035,
0.3073

■ 54.7591, 0.2943,
0.2862

Harmonies

Analogous

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



43.6917, 0.4501, 0.4648



43.6917, 0.3705, 0.5076



43.6917, 0.2809, 0.4849

Triad

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



43.6917, 0.3705, 0.5076



43.6917, 0.1542, 0.2189



43.6917, 0.4214, 0.2704

Complementary

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



43.6917, 0.3705, 0.5076



8.9778, 0.2084, 0.1213

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.



43.6917, 0.3218, 0.2214



43.6917, 0.3705, 0.5076



43.6917, 0.1781, 0.1909

Square

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



43.6917, 0.3705, 0.5076



43.6917, 0.1620, 0.2858



43.6917, 0.2342, 0.1933



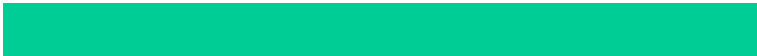
43.6917, 0.4903, 0.3319

Rectangle

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



43.6917, 0.3705, 0.5076



43.6917, 0.2272, 0.4264



43.6917, 0.2342, 0.1933



43.6917, 0.3892, 0.2522

Sweetspot

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



43.6937, 0.3705, 0.5076



87.8896, 0.3341, 0.3833



19.2318, 0.5062, 0.3751



19.1610, 0.3369, 0.3908



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



43.6937, 0.3705, 0.5076



77.3307, 0.3720, 0.5327



39.0462, 0.3178, 0.5424



10.9773, 0.3221, 0.3520



27.9389, 0.3694, 0.5449



1.1263, 0.3818, 0.5350

Inverse Universe

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



8.9778, 0.2084, 0.1213



10.6788, 0.1844, 0.0872



14.1193, 0.2834, 0.1575



9.3562, 0.3028, 0.3056



3.0530, 0.1701, 0.0711



0.1543, 0.1977, 0.0863

Previews

White Background



This preview shows how the Yxy color 43.6917, 0.3705, 0.5076 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 43.6917, 0.3705, 0.5076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

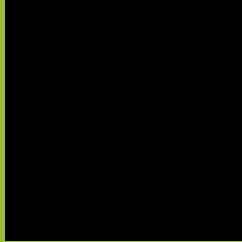
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6917, 0.3705, 0.5076

Background



This preview shows how black text looks on a background with the Yxy color 43.6917, 0.3705, 0.5076.



This preview shows how white text looks on a background with the Yxy color 43.6917, 0.3705, 0.5076.

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

43.6917, 0.3705, 0.5076

Protanopia

43.1689, 0.4264, 0.4700

Deuteranopia

43.2232, 0.4500, 0.4395



Tritanopia

43.3129, 0.2925, 0.3101

Trichromacy



Original Color

43.6917, 0.3705, 0.5076

Protanomaly

43.0081, 0.4054, 0.4845

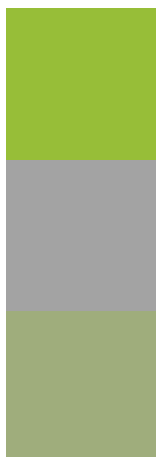
Deuteranomaly

42.5990, 0.4210, 0.4637

Tritanomaly

42.9860, 0.3263, 0.3863

Monochromacy



Original Color

43.6917, 0.3705, 0.5076

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.7133, 0.3411, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6917, 0.3705, 0.5076 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(151, 190, 56)` looks like.

```
.text, #text, p{  
    color:rgb(151, 190, 56)  
}
```

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(151, 190, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 190, 56) }
```

Border

The CSS property to change the border of an element to Yxy 43.6917, 0.3705, 0.5076 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(151, 190, 56) }
```

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

```
.border{ border-color:rgb(151, 190, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 190, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 190, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 190, 56);  
box-shadow:4px 4px 4px 4px rgb(151, 190,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6917, 0.3705, 0.5076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 190, 56) }
```

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

```
.background{ background-color: rgb(151,  
190, 56) }
```

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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