

Converting Colors

$Y_{xy}(43.6288, 0.3799, 0.5324)$

Have a look what the booklet for
Yxy(43.6288, 0.3799, 0.5324)
contains.

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Color

Yxy(43.6829, 0.3793, 0.5327)

Conversions

Conversions Part 1

Format	Color
Hex	95BF0E
RGB	149, 191, 14
RGB Percent	58%, 75%, 5%
CMY	0.4158, 0.2510, 0.9441
CMYK	0.22, 0.00, 0.93, 0.25
HSL	74°, 86%, 40%
HSV	74°, 93%, 75%
XYZ	31.1037, 43.6829, 7.2162
YIQ	158.2640, 31.7850, -63.9510

Conversions

Conversions Part 2

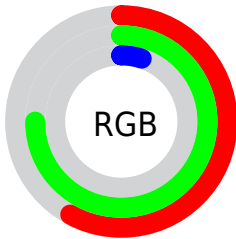
Format	Color
RYB	14, 191, 56
Decimal	9813774
CIELab	72.02, -34.82, 70.81
CIELCh	72, 78.913, 116.185
Yxy	43.6829, 0.3793, 0.5327
Android (android.graphics.Color)	4288003854 (0xFF95BF0E)
YUV	158.2640, -71.1222, -8.1245
Hunter-Lab	66.0930, -31.6600, 39.7917

Details

The Yxy color **43.6829, 0.3793, 0.5327** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.9315, 0.1704, 0.0749**, and the grayscale version is **34.6496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4428, 0.3743, 0.4966**, and **20.2185, 0.3650, 0.5483** is the 20% darker color. If you saturate the color by 10%, you get **43.3384, 0.3777, 0.5383**, and if you desaturate by 10%, it is **44.1997, 0.3798, 0.5221**.

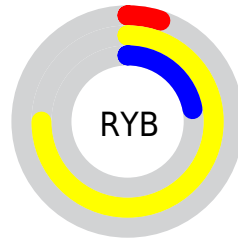
Distribution



Red (58%)

Green (75%)

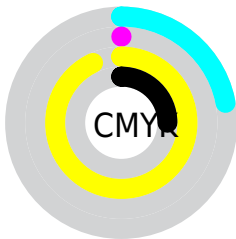
Blue (5%)



Red (5%)

Yellow (75%)

Blue (22%)

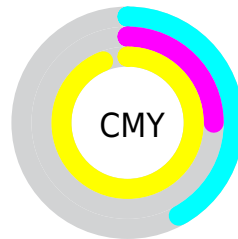


Cyan (22%)

Magenta (0%)

Yellow (93%)

Black (25%)



Cyan (42%)


Magenta (25%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6829, 0.3793, 0.5327 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 43.6829, 0.3793, 0.5327 by changing the saturation by 10% instead.


 43.6829, 0.3793,
0.5327


 43.6829, 0.3793,
0.5327


361.4127, 0.3560,
0.4306


 30.4213, 0.3803,
0.5555


 80.7404, 0.3741,
0.4970


 20.1586, 0.3786,
0.5820


 105.3050, 0.3712,
0.4831

 12.5104, 0.3753,
0.6191


 134.4062, 0.3682,
0.4711

 7.0923, 0.3535,
0.6465

 168.4282, 0.3654,
0.4607

 3.5199, 0.3170,
0.6830

 207.7554, 0.3628,
0.4517

 1.4088, 0.2272,
0.7728

 252.7723, 0.3604,

 0.2232, 0.0000,

0.4438

1.0000

303.8633, 0.3581,
0.4368

■ 0.0000, 0.0000,
0.0000

■ 43.6829, 0.3793,
0.5327

■ 43.6829, 0.3793,
0.5327

■ 43.3384, 0.3777,
0.5383

■ 44.1997, 0.3798,
0.5221

■ 44.7923, 0.3777,
0.5069

■ 45.4717, 0.3732,
0.4875

■ 46.2455, 0.3664,
0.4646

■ 47.1205, 0.3578,
0.4393

■ 48.1026, 0.3480,
0.4129

■ 49.1974, 0.3373,
0.3862

■ 50.4099, 0.3264,
0.3600

■ 51.7448, 0.3154,
0.3351

Harmonies

Analogous

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



43.6829, 0.4690, 0.4735



43.6829, 0.3793, 0.5327



43.6829, 0.2789, 0.5185

Triad

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



43.6829, 0.3793, 0.5327



43.6829, 0.1354, 0.2060



43.6829, 0.4314, 0.2578

Complementary

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



43.6829, 0.3793, 0.5327



4.9315, 0.1704, 0.0749

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.



43.6829, 0.3150, 0.2054



43.6829, 0.3793, 0.5327



43.6829, 0.1592, 0.1746

Square

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



43.6829, 0.3793, 0.5327



43.6829, 0.1447, 0.2829



43.6829, 0.2181, 0.1763



43.6829, 0.5146, 0.3240

Rectangle

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



43.6829, 0.3793, 0.5327



43.6829, 0.2181, 0.4516



43.6829, 0.2181, 0.1763



43.6829, 0.3932, 0.2382

Sweetspot

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



43.6849, 0.3793, 0.5327



86.9235, 0.3437, 0.4019



13.8893, 0.5926, 0.3585



18.9056, 0.3482, 0.4136



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.



43.6849, 0.3793, 0.5327



77.4962, 0.3771, 0.5388



38.3013, 0.3145, 0.5830



11.0031, 0.3229, 0.3519



28.5176, 0.3783, 0.5378



1.1452, 0.3887, 0.5296

Inverse Universe

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



4.9315, 0.1704, 0.0749



7.6610, 0.1619, 0.0666



10.0006, 0.2593, 0.1232



9.3319, 0.3020, 0.3055



2.8763, 0.1642, 0.0678



0.1438, 0.1897, 0.0819

Previews

White Background



This preview shows how the Yxy color 43.6829, 0.3793, 0.5327 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 43.6829, 0.3793, 0.5327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

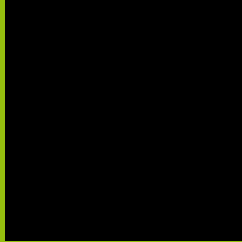
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6829, 0.3793, 0.5327

Background



This preview shows how black text looks on a background with the Yxy color 43.6829, 0.3793, 0.5327.



This preview shows how white text looks on a background with the Yxy color 43.6829, 0.3793, 0.5327.

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

43.6829, 0.3793, 0.5327

Protanopia

43.1928, 0.4413, 0.4878

Deuteranopia

43.3006, 0.4644, 0.4541



Tritanopia

43.6459, 0.2910, 0.3101

Trichromacy



Original Color

43.6829, 0.3793, 0.5327

Protanomaly

42.8825, 0.4187, 0.5043

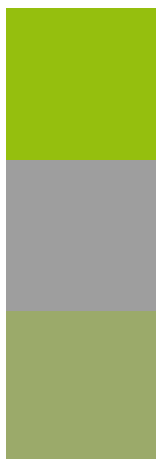
Deuteranomaly

42.7415, 0.4328, 0.4836

Tritanomaly

42.7702, 0.3361, 0.4100

Monochromacy



Original Color

43.6829, 0.3793, 0.5327

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.7586, 0.3530, 0.4256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6829, 0.3793, 0.5327 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, 191, 14)` looks like.

```
.text, #text, p{  
    color:rgb(149, 191, 14)  
}
```

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, 191, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 191, 14) }
```

Border

The CSS property to change the border of an element to Yxy 43.6829, 0.3793, 0.5327 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, 191, 14) }
```

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

```
.border{ border-color:rgb(149, 191, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 191, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 191, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 191, 14);  
box-shadow:4px 4px 4px 4px rgb(149, 191,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6829, 0.3793, 0.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 191, 14) }
```

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

```
.background{ background-color: rgb(149,  
191, 14) }
```

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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