

Converting Colors

$Y_{xy}(44.8426, 0.3609, 0.5496)$

Have a look what the booklet for
Yxy(44.8426, 0.3609, 0.5496)
contains.

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Color

Yxy(44.7731, 0.3606, 0.5498)

Conversions

Conversions Part 1

Format	Color
Hex	83C507
RGB	131, 197, 7
RGB Percent	51%, 77%, 3%
CMY	0.4863, 0.2274, 0.9723
CMYK	0.34, 0.00, 0.96, 0.23
HSL	81°, 93%, 40%
HSV	81°, 96%, 77%
XYZ	29.3656, 44.7731, 7.2966
YIQ	155.6060, 21.6540, -73.0820

Conversions

Conversions Part 2

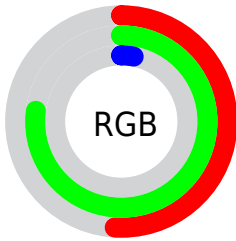
Format	Color
RYB	7, 197, 73
Decimal	8635655
CIELab	72.74, -44.49, 71.77
CIELCh	73, 84.441, 121.798
Yxy	44.7731, 0.3606, 0.5498
Android (android.graphics.Color)	4286825735 (0xFF83C507)
YUV	155.6060, -73.2628, -21.5795
Hunter-Lab	66.9127, -38.7601, 40.3735

Details

The Yxy color **44.7731, 0.3606, 0.5498** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **5.6036, 0.1799, 0.0781**, and the grayscale version is **33.3911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3270, 0.3594, 0.5103**, and **21.0614, 0.3394, 0.5687** is the 20% darker color. If you saturate the color by 10%, you get **44.5659, 0.3592, 0.5530**, and if you desaturate by 10%, it is **45.4025, 0.3637, 0.5393**.

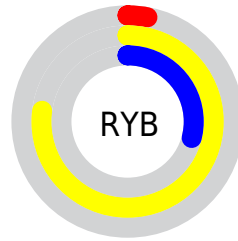
Distribution



Red (51%)

Green (77%)

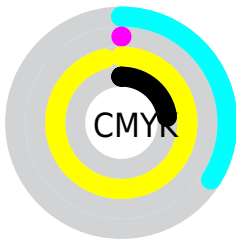
Blue (3%)



Red (3%)

Yellow (77%)

Blue (29%)

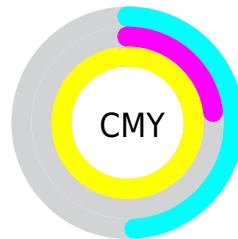


Cyan (34%)

Magenta (0%)

Yellow (96%)

Black (23%)



Cyan (49%)


Magenta (23%)


Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7731, 0.3606, 0.5498 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 44.7731, 0.3606, 0.5498 by changing the saturation by 10% instead.


 44.7731, 0.3606,
0.5498


 44.7731, 0.3606,
0.5498


365.8538, 0.3477,
0.4373

 31.2787, 0.3589,
0.5755


 82.3798, 0.3594,
0.5100

 20.8112, 0.3535,
0.6060


 107.2610, 0.3579,
0.4946


 12.9861, 0.3450,
0.6482

 136.7065, 0.3561,
0.4815

 7.4189, 0.3176,
0.6824

 171.1008, 0.3543,
0.4701

 3.7255, 0.2728,
0.7272

 210.8283, 0.3526,
0.4603

 1.5212, 0.1434,
0.8566

 256.2734, 0.3509,

 0.3036, 0.0000,

0.4516

1.0000

307.8204, 0.3492,
0.4441

■ 0.0000, 0.0000,
0.0000

■ 44.7731, 0.3606,
0.5498

■ 44.7731, 0.3606,
0.5498

■ 44.5659, 0.3592,
0.5530

■ 45.4025, 0.3637,
0.5393

■ 46.1270, 0.3644,
0.5238

■ 46.9604, 0.3627,
0.5036

■ 47.9119, 0.3587,
0.4798

■ 48.9897, 0.3527,
0.4533

■ 50.2007, 0.3452,
0.4256

■ 51.5516, 0.3367,
0.3977

■ 53.0484, 0.3277,
0.3705

■ 54.6966, 0.3186,
0.3447

Harmonies

Analogous

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



44.7731, 0.4588, 0.4929



44.7731, 0.3606, 0.5498



44.7731, 0.2565, 0.5164

Triad

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



44.7731, 0.3606, 0.5498



44.7731, 0.1299, 0.1902



44.7731, 0.4595, 0.2658

Complementary

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



44.7731, 0.3606, 0.5498



5.6036, 0.1799, 0.0781

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.



44.7731, 0.3374, 0.2082



44.7731, 0.3606, 0.5498



44.7731, 0.1607, 0.1656

Square

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



44.7731, 0.3606, 0.5498



44.7731, 0.1323, 0.2597



44.7731, 0.2290, 0.1732



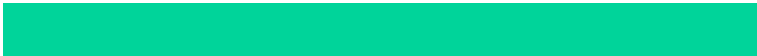
44.7731, 0.5342, 0.3355

Rectangle

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



44.7731, 0.3606, 0.5498



44.7731, 0.1968, 0.4338



44.7731, 0.2290, 0.1732



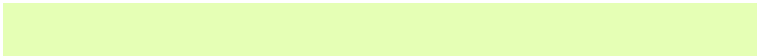
44.7731, 0.4208, 0.2447

Sweetspot

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



44.7751, 0.3606, 0.5498



91.5664, 0.3394, 0.4061



16.3139, 0.5796, 0.3741



19.3752, 0.3430, 0.4182



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.



44.7751, 0.3606, 0.5498



79.6698, 0.3584, 0.5537



40.3752, 0.3059, 0.5928



12.2255, 0.3213, 0.3522



29.3599, 0.3600, 0.5524



1.4293, 0.3726, 0.5423

Inverse Universe

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



5.6036, 0.1799, 0.0781



9.3243, 0.1747, 0.0736



12.2213, 0.2805, 0.1331



10.4637, 0.3036, 0.3055



3.5128, 0.1773, 0.0751



0.2067, 0.2015, 0.0884

Previews

White Background



This preview shows how the Yxy color 44.7731, 0.3606, 0.5498 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 44.7731, 0.3606, 0.5498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

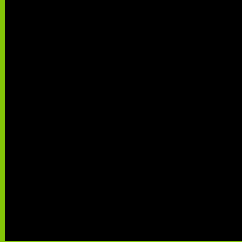
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7731, 0.3606, 0.5498

Background



This preview shows how black text looks on a background with the Yxy color 44.7731, 0.3606, 0.5498.



This preview shows how white text looks on a background with the Yxy color 44.7731, 0.3606, 0.5498.

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

44.7731, 0.3606, 0.5498

Protanopia

44.1201, 0.4402, 0.4887

Deuteranopia

44.3632, 0.4637, 0.4543



Tritanopia

44.5235, 0.2764, 0.3085

Trichromacy



Original Color

44.7731, 0.3606, 0.5498

Protanomaly

43.8185, 0.4096, 0.5121

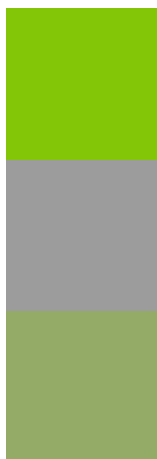
Deuteranomaly

43.2665, 0.4256, 0.4904

Tritanomaly

43.4807, 0.3206, 0.4168

Monochromacy



Original Color

44.7731, 0.3606, 0.5498

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

36.2882, 0.3479, 0.4355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7731, 0.3606, 0.5498 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(131, 197, 7)` looks like.

```
.text, #text, p{  
    color:rgb(131, 197, 7)  
}
```

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(131, 197, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 197, 7) }
```

Border

The CSS property to change the border of an element to Yxy 44.7731, 0.3606, 0.5498 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(131, 197, 7) }
```

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

```
.border{ border-color:rgb(131, 197, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 197, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 197, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 197, 7);  
box-shadow:4px 4px 4px 4px rgb(131, 197,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7731, 0.3606, 0.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 197, 7) }
```

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

```
.background{ background-color: rgb(131,  
197, 7) }
```

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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