

Converting Colors

$Y_{xy}(50.5501, 0.4026, 0.5185)$

Have a look what the booklet for
Yxy(50.5501, 0.4026, 0.5185)
contains.

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Color

Yxy(50.5501, 0.4026, 0.5185)

Conversions

Conversions Part 1

Format	Color
Hex	B4C700
RGB	180, 199, 0
RGB Percent	71%, 78%, 0%
CMY	0.2940, 0.2196, 0.9994
CMYK	0.10, 0.00, 1.00, 0.22
HSL	66°, 100%, 39%
HSV	66°, 100%, 78%
XYZ	39.2507, 50.5501, 7.6922
YIQ	170.6330, 52.5550, -65.9170

Conversions

Conversions Part 2

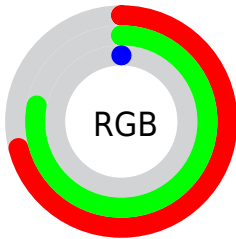
Format	Color
RYB	0, 199, 19
Decimal	11847424
CIELab	76.41, -25.96, 76.64
CIELCh	76, 80.919, 108.713
Yxy	50.5501, 0.4026, 0.5185
Android (android.graphics.Color)	4290037504 (0xFFB4C700)
YUV	170.6330, -84.1221, 8.2149
Hunter-Lab	71.0986, -25.8799, 43.3544

Details

The Yxy color **50.5501, 0.4026, 0.5185** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.2665, 0.1530, 0.0617**, and the grayscale version is **40.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6698, 0.3944, 0.4881**, and **24.3884, 0.3921, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **50.5503, 0.4026, 0.5185**, and if you desaturate by 10%, it is **50.8323, 0.4021, 0.5133**.

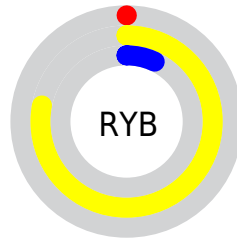
Distribution



Red (71%)

Green (78%)

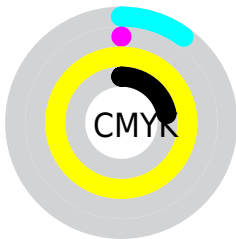
Blue (0%)



Red (0%)

Yellow (78%)

Blue (7%)

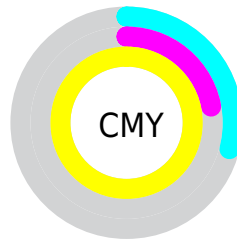


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (29%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5501, 0.4026, 0.5185 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 50.5501, 0.4026, 0.5185 by changing the saturation by 10% instead.


 50.5501, 0.4026,
0.5185

 50.5501, 0.4026,
0.5185

388.8133, 0.3688,
0.4291

 35.8507, 0.4062,
0.5367


 90.9894, 0.3938,
0.4887


 24.3189, 0.4080,
0.5571


 117.4981, 0.3894,
0.4766


 15.5703, 0.4085,
0.5827


 148.7120, 0.3852,
0.4660

 9.2206, 0.3972,
0.6028

 185.0154, 0.3814,
0.4568

 4.8854, 0.3751,
0.6249

 226.7929, 0.3778,
0.4486

 2.1802, 0.3390,
0.6610

 274.4288, 0.3745,

 0.7091, 0.0538,

0.4414

0.9462

328.3074, 0.3715,
0.4349

■ 0.0000, 0.0000,
0.0000

■ 50.5501, 0.4026,
0.5185

■ 50.5501, 0.4026,
0.5185

■ 50.5503, 0.4026,
0.5185

■ 50.8323, 0.4021,
0.5133

■ 51.1671, 0.3995,
0.5044

■ 51.5747, 0.3944,
0.4911

■ 52.0645, 0.3867,
0.4736

■ 52.6445, 0.3768,
0.4527

■ 53.3217, 0.3653,
0.4292

■ 54.1023, 0.3526,
0.4042

■ 54.9921, 0.3392,
0.3786

■ 55.9965, 0.3258,
0.3533

Harmonies

Analogous

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



50.5501, 0.4843, 0.4533



50.5501, 0.4026, 0.5185



50.5501, 0.3046, 0.5268

Triad

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



50.5501, 0.4026, 0.5185



50.5501, 0.1375, 0.2228



50.5501, 0.4012, 0.2447

Complementary

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



50.5501, 0.4026, 0.5185



4.2665, 0.1530, 0.0617

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.



50.5501, 0.2884, 0.1981



50.5501, 0.4026, 0.5185



50.5501, 0.1529, 0.1817

Square

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



50.5501, 0.4026, 0.5185



50.5501, 0.1558, 0.3112



50.5501, 0.2020, 0.1759



50.5501, 0.4958, 0.3077

Rectangle

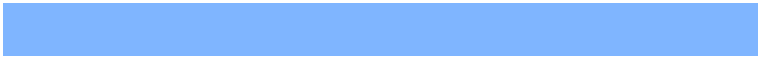
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.5501, 0.4026, 0.5185



50.5501, 0.2415, 0.4768



50.5501, 0.2020, 0.1759



50.5501, 0.3627, 0.2269

Sweetspot

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



50.5524, 0.4026, 0.5185



94.6562, 0.3532, 0.4055



12.5346, 0.6341, 0.3346



20.1312, 0.3588, 0.4163



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.



50.5524, 0.4026, 0.5185



88.4537, 0.4023, 0.5187



42.6855, 0.3257, 0.5795



12.3636, 0.3251, 0.3519



32.5267, 0.4028, 0.5183



1.5555, 0.4065, 0.5154

Inverse Universe

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



4.2665, 0.1530, 0.0617



7.4183, 0.1525, 0.0613



7.8498, 0.2191, 0.0981



10.3351, 0.2997, 0.3052



2.7580, 0.1536, 0.0620



0.1475, 0.1651, 0.0683

Previews

White Background



This preview shows how the Yxy color 50.5501, 0.4026, 0.5185 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 50.5501, 0.4026, 0.5185 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 50.5501, 0.4026, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 50.5501, 0.4026, 0.5185.



This preview shows how white text looks on a background with the Yxy color 50.5501, 0.4026, 0.5185.

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

50.5501, 0.4026, 0.5185

Protanopia

50.3922, 0.4399, 0.4889

Deuteranopia

49.9551, 0.4670, 0.4564



Tritanopia

50.4702, 0.3094, 0.3106

Trichromacy



Original Color

50.5501, 0.4026, 0.5185

Protanomaly

50.4193, 0.4256, 0.5003

Deuteranomaly

49.7709, 0.4438, 0.4801

Tritanomaly

49.3064, 0.3621, 0.4106

Monochromacy



Original Color

50.5501, 0.4026, 0.5185

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

43.1505, 0.3647, 0.4283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5501, 0.4026, 0.5185 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(180, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 199, 0)  
}
```

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(180, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.5501, 0.4026, 0.5185 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(180, 199, 0) }
```

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

```
.border{ border-color:rgb(180, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 199,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5501, 0.4026, 0.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 199, 0) }
```

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

```
.background{ background-color: rgb(180,  
199, 0) }
```

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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