

Converting Colors

Yxy(51.1329, 0.4003, 0.5141)

Have a look what the booklet for
Yxy(51.1329, 0.4003, 0.5141)
contains.

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Color

Yxy(51.1902, 0.4002, 0.5140)

Conversions

Conversions Part 1

Format	Color
Hex	B5C816
RGB	181, 200, 22
RGB Percent	71%, 78%, 9%
CMY	0.2902, 0.2157, 0.9132
CMYK	0.09, 0.00, 0.89, 0.22
HSL	66°, 80%, 44%
HSV	66°, 89%, 78%
XYZ	39.8566, 51.1902, 8.5450
YIQ	174.0270, 45.8140, -59.3860

Conversions

Conversions Part 2

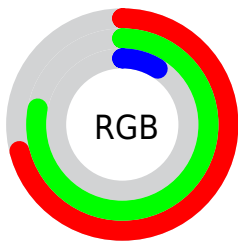
Format	Color
R _Y B	22, 200, 41
Decimal	11913238
CIE Lab	76.79, -25.73, 74.36
CIE LCh	77, 78.687, 109.085
Yxy	51.1902, 0.4002, 0.5140
Android (android.graphics.Color)	4290103318 (0xFFB5C816)
YUV	174.0270, -74.9493, 6.1153
Hunter-Lab	71.5473, -25.7714, 43.0021

Details

The Yxy color **51.1902, 0.4002, 0.5140** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed chartreuse. A complement of this color would be **5.2231, 0.1618, 0.0726**, and the grayscale version is **42.7260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7835, 0.3919, 0.4838**, and **24.8429, 0.3935, 0.5258** is the 20% darker color. If you saturate the color by 10%, you get **50.8825, 0.4006, 0.5196**, and if you desaturate by 10%, it is **51.5625, 0.3976, 0.5045**.

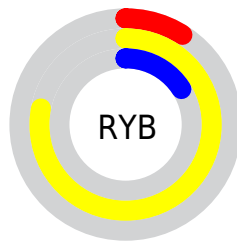
Distribution



Red (71%)

Green (78%)

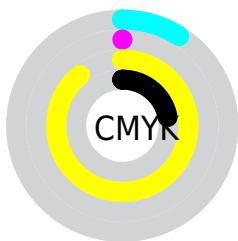
Blue (9%)



Red (9%)

Yellow (78%)

Blue (16%)

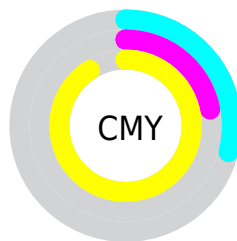


Cyan (9%)

Magenta (0%)

Yellow (89%)

Black (22%)



Cyan (29%)


Magenta (22%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1902, 0.4002, 0.5140 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 51.1902, 0.4002, 0.5140 by changing the saturation by 10% instead.


 51.1902, 0.4002,
0.5140

 51.1902, 0.4002,
0.5140


391.3023, 0.3667,
0.4263

 36.3600, 0.4041,
0.5322


 91.9359, 0.3912,
0.4845

 24.7124, 0.4065,
0.5528


 118.6201, 0.3868,
0.4726


 15.8629, 0.4066,
0.5773


 150.0245, 0.3828,
0.4623

 9.4272, 0.3987,
0.6013

 186.5334, 0.3790,
0.4532

 5.0208, 0.3772,
0.6228

 228.5313, 0.3755,
0.4452

 2.2595, 0.3422,
0.6578

 276.4024, 0.3723,

 0.7521, 0.1035,

0.4382

0.8965

330.5313, 0.3694,
0.4319

0.0000, 0.0000,
0.0000

51.1902, 0.4002,
0.5140

51.1902, 0.4002,
0.5140

50.8825, 0.4006,
0.5196

51.5625, 0.3976,
0.5045

50.8508, 0.4006,
0.5201

52.0079, 0.3924,
0.4905

52.5381, 0.3847,
0.4724

53.1610, 0.3748,
0.4510

53.8838, 0.3633,
0.4271

■ 54.7127, 0.3507,
0.4019

■ 55.6534, 0.3376,
0.3762

■ 56.7114, 0.3243,
0.3508

■ 57.8917, 0.3114,
0.3265

Harmonies

Analogous

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



51.1902, 0.4797, 0.4522



51.1902, 0.4002, 0.5140



51.1902, 0.3046, 0.5193

Triad

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



51.1902, 0.4002, 0.5140



51.1902, 0.1416, 0.2253



51.1902, 0.4000, 0.2477

Complementary

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



51.1902, 0.4002, 0.5140



5.2231, 0.1618, 0.0726

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.



51.1902, 0.2906, 0.2017



51.1902, 0.4002, 0.5140



51.1902, 0.1571, 0.1852

Square

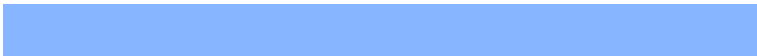
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.1902, 0.4002, 0.5140



51.1902, 0.1595, 0.3110



51.1902, 0.2058, 0.1796



51.1902, 0.4910, 0.3097

Rectangle

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



51.1902, 0.4002, 0.5140



51.1902, 0.2430, 0.4701



51.1902, 0.2058, 0.1796



51.1902, 0.3628, 0.2301

Sweetspot

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



51.1926, 0.4002, 0.5140



94.9633, 0.3487, 0.3979



13.8502, 0.6073, 0.3402



20.2129, 0.3532, 0.4068



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.



51.1926, 0.4002, 0.5140



87.9750, 0.4003, 0.5204



43.7102, 0.3295, 0.5683



12.3573, 0.3249, 0.3519



32.3551, 0.4009, 0.5199



1.5489, 0.4049, 0.5167

Inverse Universe

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



5.2231, 0.1618, 0.0726



7.4563, 0.1529, 0.0616



9.4047, 0.2335, 0.1112



10.3408, 0.2999, 0.3052



2.7747, 0.1541, 0.0623



0.1502, 0.1669, 0.0693

Previews

White Background



This preview shows how the Yxy color 51.1902, 0.4002, 0.5140 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 51.1902, 0.4002, 0.5140 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 51.1902, 0.4002, 0.5140

Background



This preview shows how black text looks on a background with the Yxy color 51.1902, 0.4002, 0.5140.



This preview shows how white text looks on a background with the Yxy color 51.1902, 0.4002, 0.5140.

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

51.1902, 0.4002, 0.5140

Protanopia

51.0167, 0.4378, 0.4860

Deuteranopia

50.5638, 0.4651, 0.4545



Tritanopia

51.0706, 0.3095, 0.3107

Trichromacy



Original Color

51.1902, 0.4002, 0.5140

Protanomaly

51.0516, 0.4233, 0.4967

Deuteranomaly

50.4022, 0.4411, 0.4765

Tritanomaly

50.1155, 0.3557, 0.4000

Monochromacy



Original Color

51.1902, 0.4002, 0.5140

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.5460, 0.3589, 0.4164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1902, 0.4002, 0.5140 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(181, 200, 22)` looks like.

```
.text, #text, p{  
    color:rgb(181, 200, 22)  
}
```

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(181, 200, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 200, 22) }
```

Border

The CSS property to change the border of an element to Yxy 51.1902, 0.4002, 0.5140 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(181, 200, 22) }
```

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

```
.border{ border-color:rgb(181, 200, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 200, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 200, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 200, 22);  
box-shadow:4px 4px 4px 4px rgb(181, 200,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1902, 0.4002, 0.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 200, 22) }
```

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

```
.background{ background-color: rgb(181,  
200, 22) }
```

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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