

Converting Colors

$Yxy(51.0775, 0.3983, 0.5132)$

Have a look what the booklet for
Yxy(51.0775, 0.3983, 0.5132)
contains.

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Color

Yxy(51.0910, 0.3984, 0.5131)

Conversions

Conversions Part 1

Format	Color
Hex	B4C81B
RGB	180, 200, 27
RGB Percent	71%, 78%, 11%
CMY	0.2942, 0.2156, 0.8938
CMYK	0.10, 0.00, 0.86, 0.22
HSL	67°, 76%, 45%
HSV	67°, 86%, 78%
XYZ	39.6700, 51.0910, 8.8122
YIQ	174.2980, 43.6130, -58.0430

Conversions

Conversions Part 2

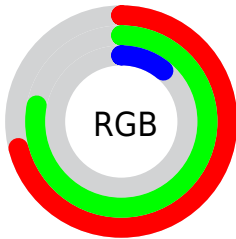
Format	Color
RYB	27, 200, 47
Decimal	11847707
CIELab	76.73, -26.05, 73.38
CIElCh	77, 77.864, 109.550
Yxy	51.0910, 0.3984, 0.5131
Android (android.graphics.Color)	4290037787 (0xFFB4C81B)
YUV	174.2980, -72.6179, 5.0007
Hunter-Lab	71.4780, -26.0197, 42.7250

Details

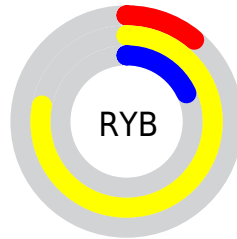
The Yxy color **51.0910, 0.3984, 0.5131** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed chartreuse. A complement of this color would be **5.5660, 0.1651, 0.0766**, and the grayscale version is **42.8568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6610, 0.3901, 0.4823**, and **24.7687, 0.3923, 0.5267** is the 20% darker color. If you saturate the color by 10%, you get **50.7535, 0.3990, 0.5196**, and if you desaturate by 10%, it is **51.5003, 0.3953, 0.5023**.

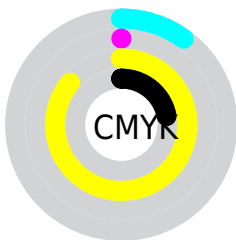
Distribution



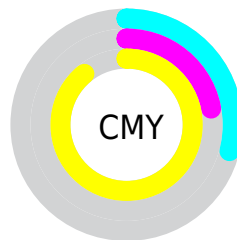
- Red (71%)
- Green (78%)
- Blue (11%)



- Red (11%)
- Yellow (78%)
- Blue (18%)



- Cyan (10%)
- Magenta (0%)
- Yellow (86%)
- Black (22%)





- Cyan (29%)
- Magenta (22%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0910, 0.3984, 0.5131 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 51.0910, 0.3984, 0.5131 by changing the saturation by 10% instead.


 51.0910, 0.3984,
0.5131


 51.0910, 0.3984,
0.5131


390.9172, 0.3655,
0.4254


 36.2810, 0.4023,
0.5314


 91.7893, 0.3895,
0.4835

 24.6513, 0.4047,
0.5524


 118.4464, 0.3852,
0.4716

 15.8175, 0.4047,
0.5770


 149.8213, 0.3812,
0.4613

 9.3951, 0.3975,
0.6025

 186.2985, 0.3775,
0.4522

 4.9998, 0.3756,
0.6244

 228.2622, 0.3741,
0.4443

 2.2471, 0.3400,
0.6600

 276.0970, 0.3710,

 0.7455, 0.0887,

0.4373

0.9113

330.1872, 0.3681,
0.4310

■ 0.0000, 0.0000,
0.0000

■ 51.0910, 0.3984,
0.5131

■ 51.0910, 0.3984,
0.5131

■ 50.7535, 0.3990,
0.5196

■ 51.5003, 0.3953,
0.5023

■ 50.6413, 0.3990,
0.5214

■ 51.9858, 0.3896,
0.4870

■ 52.5590, 0.3815,
0.4679

■ 53.2275, 0.3714,
0.4456

■ 53.9981, 0.3597,
0.4211

■ 54.8771, 0.3471,
0.3956

■ 55.8700, 0.3340,
0.3699

■ 56.9821, 0.3210,
0.3447

■ 58.2185, 0.3083,
0.3206

Harmonies

Analogous

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



51.0910, 0.4775, 0.4527



51.0910, 0.3984, 0.5131



51.0910, 0.3034, 0.5166

Triad

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



51.0910, 0.3984, 0.5131



51.0910, 0.1428, 0.2254



51.0910, 0.4008, 0.2493

Complementary

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



51.0910, 0.3984, 0.5131



5.5660, 0.1651, 0.0766

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.



51.0910, 0.2924, 0.2032



51.0910, 0.3984, 0.5131



51.0910, 0.1587, 0.1860

Square

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



51.0910, 0.3984, 0.5131



51.0910, 0.1601, 0.3096



51.0910, 0.2077, 0.1808



51.0910, 0.4902, 0.3111

Rectangle

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



51.0910, 0.3984, 0.5131



51.0910, 0.2425, 0.4670



51.0910, 0.2077, 0.1808



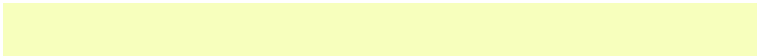
51.0910, 0.3641, 0.2317

Sweetspot

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



51.0933, 0.3984, 0.5131



95.0127, 0.3470, 0.3954



14.1903, 0.5995, 0.3412



20.2174, 0.3515, 0.4044



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.



51.0933, 0.3984, 0.5131



87.5990, 0.3987, 0.5216



43.8945, 0.3306, 0.5645



12.3522, 0.3248, 0.3519



32.2204, 0.3993, 0.5212



1.5438, 0.4037, 0.5176

Inverse Universe

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



5.5660, 0.1651, 0.0766



7.4894, 0.1533, 0.0618



9.7712, 0.2360, 0.1144



10.3454, 0.3000, 0.3052



2.7891, 0.1546, 0.0625



0.1523, 0.1683, 0.0701

Previews

White Background



This preview shows how the Yxy color 51.0910, 0.3984, 0.5131 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 51.0910, 0.3984, 0.5131 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 51.0910, 0.3984, 0.5131

Background



This preview shows how black text looks on a background with the Yxy color 51.0910, 0.3984, 0.5131.



This preview shows how white text looks on a background with the Yxy color 51.0910, 0.3984, 0.5131.

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

51.0910, 0.3984, 0.5131

Protanopia

51.0390, 0.4368, 0.4845

Deuteranopia

50.5845, 0.4641, 0.4532



Tritanopia

50.9370, 0.3086, 0.3107

Trichromacy



Original Color

51.0910, 0.3984, 0.5131

Protanomaly

51.0713, 0.4224, 0.4953

Deuteranomaly

50.4259, 0.4401, 0.4750

Tritanomaly

50.0437, 0.3532, 0.3976

Monochromacy



Original Color

51.0910, 0.3984, 0.5131

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.4776, 0.3564, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0910, 0.3984, 0.5131 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, 200, 27)` looks like.

```
.text, #text, p{  
    color:rgb(180, 200, 27)  
}
```

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, 200, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 200, 27) }
```

Border

The CSS property to change the border of an element to Yxy 51.0910, 0.3984, 0.5131 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, 200, 27) }
```

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

```
.border{ border-color:rgb(180, 200, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 200, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 200, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 200, 27);  
box-shadow:4px 4px 4px 4px rgb(180, 200,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0910, 0.3984, 0.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 200, 27) }
```

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

```
.background{ background-color: rgb(180,  
200, 27) }
```

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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