

Converting Colors

$Yxy(51.8219, 0.4039, 0.4999)$

Have a look what the booklet for
Yxy(51.8219, 0.4039, 0.4999)
contains.

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Color

Yxy(51.8328, 0.4035, 0.5001)

Conversions

Conversions Part 1

Format	Color
Hex	BDC72A
RGB	189, 199, 42
RGB Percent	74%, 78%, 16%
CMY	0.2590, 0.2195, 0.8353
CMYK	0.05, 0.00, 0.79, 0.22
HSL	64°, 65%, 47%
HSV	64°, 79%, 78%
XYZ	41.8207, 51.8328, 9.9914
YIQ	178.1120, 44.4370, -50.9470

Conversions

Conversions Part 2

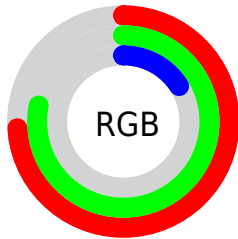
Format	Color
R_{YB}	42, 199, 52
Decimal	12437290
CIE _{Lab}	77.18, -21.35, 70.45
CIE _{LCh}	77, 73.610, 106.857
Yxy	51.8328, 0.4035, 0.5001
Android (android.graphics.Color)	4290627370 (0xFFBDC72A)
YUV	178.1120, -67.1032, 9.5488
Hunter-Lab	71.9950, -22.3035, 42.1683

Details

The Yxy color **51.8328, 0.4035, 0.5001** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **6.5127, 0.1704, 0.0884**, and the grayscale version is **44.9268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4358, 0.3929, 0.4724**, and **25.1563, 0.4040, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **51.5641, 0.4069, 0.5088**, and if you desaturate by 10%, it is **52.1784, 0.3975, 0.4870**.

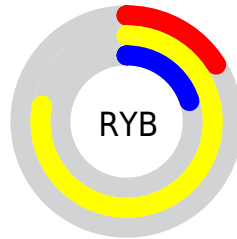
Distribution



Red (74%)

Green (78%)

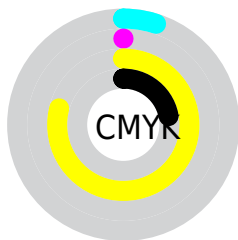
Blue (16%)



Red (16%)

Yellow (78%)

Blue (20%)

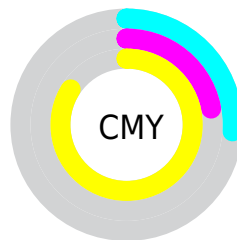


Cyan (5%)

Magenta (0%)

Yellow (79%)

Black (22%)



Cyan (26%)


Magenta (22%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8328, 0.4035, 0.5001 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 51.8328, 0.4035, 0.5001 by changing the saturation by 10% instead.


 51.8328, 0.4035,
0.5001


 51.8328, 0.4035,
0.5001


393.7908, 0.3669,
0.4191


 36.8718, 0.4088,
0.5171


 92.8846, 0.3929,
0.4728

 25.1083, 0.4132,
0.5365


 119.7442, 0.3881,
0.4618

 16.1577, 0.4154,
0.5583


 151.3388, 0.3837,
0.4523

 9.6358, 0.4148,
0.5852

 188.0529, 0.3797,
0.4439

 5.1582, 0.3974,
0.6026

 230.2707, 0.3760,
0.4366

 2.3404, 0.3692,
0.6308

 278.3767, 0.3727,

 0.7950, 0.2278,

0.4301

0.7722

332.7552, 0.3697,
0.4243

■ 0.0000, 0.0000,
0.0000

■ 51.8328, 0.4035,
0.5001

■ 51.8328, 0.4035,
0.5001

■ 51.5641, 0.4069,
0.5088

■ 52.1784, 0.3975,
0.4870

■ 51.3498, 0.4080,
0.5137

■ 52.6031, 0.3890,
0.4698

■ 51.3272, 0.4081,
0.5141

■ 53.1169, 0.3784,
0.4492

■ 53.7269, 0.3661,
0.4260

■ 54.4392, 0.3528,
0.4012

■ 55.2596, 0.3388,
0.3758

■ 56.1933, 0.3249,
0.3507

■ 57.2452, 0.3112,
0.3264

■ 58.4200, 0.2982,
0.3033

Harmonies

Analogous

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



51.8328, 0.4755, 0.4426



51.8328, 0.4035, 0.5001



51.8328, 0.3136, 0.5075

Triad

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



51.8328, 0.4035, 0.5001



51.8328, 0.1506, 0.2368



51.8328, 0.3868, 0.2487

Complementary

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



51.8328, 0.4035, 0.5001



6.5127, 0.1704, 0.0884

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.



51.8328, 0.2855, 0.2061



51.8328, 0.4035, 0.5001



51.8328, 0.1631, 0.1949

Square

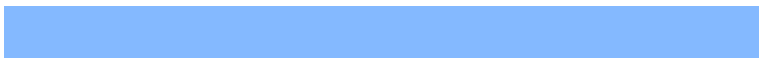
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.8328, 0.4035, 0.5001



51.8328, 0.1710, 0.3209



51.8328, 0.2075, 0.1869



51.8328, 0.4744, 0.3074

Rectangle

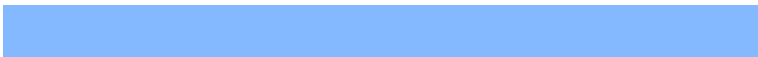
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8328, 0.4035, 0.5001



51.8328, 0.2545, 0.4659



51.8328, 0.2075, 0.1869



51.8328, 0.3522, 0.2322

Sweetspot

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



51.8352, 0.4035, 0.5001



95.9303, 0.3465, 0.3897



14.5808, 0.5789, 0.3362



20.4253, 0.3515, 0.3989



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.



51.8352, 0.4035, 0.5001



89.9841, 0.4078, 0.5126



44.5097, 0.3390, 0.5465



12.3811, 0.3256, 0.3519



33.0134, 0.4083, 0.5140



1.5739, 0.4107, 0.5121

Inverse Universe

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



6.5127, 0.1704, 0.0884



7.7521, 0.1537, 0.0638



10.3984, 0.2351, 0.1216



10.3194, 0.2992, 0.3052



2.7190, 0.1523, 0.0612



0.1403, 0.1603, 0.0657

Previews

White Background



This preview shows how the Yxy color 51.8328, 0.4035, 0.5001 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 51.8328, 0.4035, 0.5001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

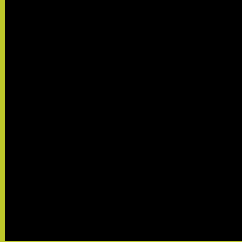
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8328, 0.4035, 0.5001

Background



This preview shows how black text looks on a background with the Yxy color 51.8328, 0.4035, 0.5001.



This preview shows how white text looks on a background with the Yxy color 51.8328, 0.4035, 0.5001.

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

51.8328, 0.4035, 0.5001

Protanopia

51.7109, 0.4329, 0.4789

Deuteranopia

51.6375, 0.4597, 0.4503



Tritanopia

51.4246, 0.3152, 0.3110

Trichromacy



Original Color

51.8328, 0.4035, 0.5001

Protanomaly

51.7228, 0.4221, 0.4865

Deuteranomaly

51.5520, 0.4391, 0.4683

Tritanomaly

50.6804, 0.3558, 0.3886

Monochromacy



Original Color

51.8328, 0.4035, 0.5001

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.6479, 0.3546, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8328, 0.4035, 0.5001 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(189, 199, 42)` looks like.

```
.text, #text, p{  
    color:rgb(189, 199, 42)  
}
```

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(189, 199, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 199, 42) }
```

Border

The CSS property to change the border of an element to Yxy 51.8328, 0.4035, 0.5001 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(189, 199, 42) }
```

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

```
.border{ border-color:rgb(189, 199, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 199, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 199, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 199, 42);  
box-shadow:4px 4px 4px 4px rgb(189, 199,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8328, 0.4035, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 199, 42) }
```

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

```
.background{ background-color: rgb(189,  
199, 42) }
```

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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