

Converting Colors

$Yxy(51.4017, 0.4024, 0.5024)$

Have a look what the booklet for
Yxy(51.4017, 0.4024, 0.5024)
contains.

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Color

Yxy(51.5648, 0.4023, 0.5023)

Conversions

Conversions Part 1

Format	Color
Hex	BBC728
RGB	187, 199, 40
RGB Percent	73%, 78%, 16%
CMY	0.2667, 0.2196, 0.8427
CMYK	0.06, 0.00, 0.80, 0.22
HSL	65°, 66%, 47%
HSV	65°, 80%, 78%
XYZ	41.2991, 51.5648, 9.7935
YIQ	177.2860, 43.8870, -51.9930

Conversions

Conversions Part 2

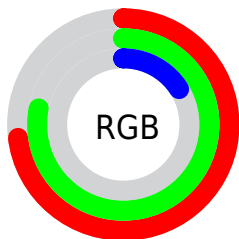
Format	Color
RYB	40, 199, 52
Decimal	12306216
CIELab	77.02, -22.24, 70.77
CIELCh	77, 74.182, 107.446
Yxy	51.5648, 0.4023, 0.5023
Android (android.graphics.Color)	4290496296 (0xFFBBC728)
YUV	177.2860, -67.6820, 8.5192
Hunter-Lab	71.8086, -23.0050, 42.1799

Details

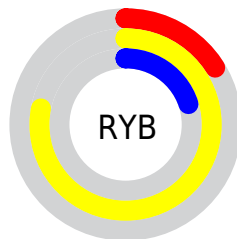
The Yxy color **51.5648, 0.4023, 0.5023** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **6.3830, 0.1700, 0.0869**, and the grayscale version is **44.4772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0329, 0.3923, 0.4746**, and **24.9966, 0.4016, 0.5193** is the 20% darker color. If you saturate the color by 10%, you get **51.2756, 0.4052, 0.5108**, and if you desaturate by 10%, it is **51.9305, 0.3968, 0.4894**.

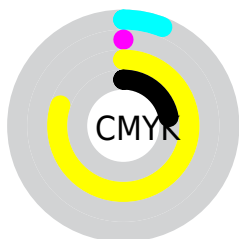
Distribution



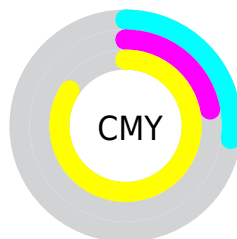
- Red (73%)
- Green (78%)
- Blue (16%)



- Red (16%)
- Yellow (78%)
- Blue (20%)



- Cyan (6%)
- Magenta (0%)
- Yellow (80%)
- Black (22%)





- Cyan (27%)
- Magenta (22%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5648, 0.4023, 0.5023 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 51.5648, 0.4023, 0.5023 by changing the saturation by 10% instead.


 51.5648, 0.4023,
0.5023

 51.5648, 0.4023,
0.5023


392.7542, 0.3664,
0.4201


 36.6583, 0.4073,
0.5195

 92.4891, 0.3920,
0.4745

 24.9430, 0.4114,
0.5393


 119.2757, 0.3873,
0.4634


 16.0346, 0.4131,
0.5616


 150.7911, 0.3830,
0.4537

 9.5487, 0.4115,
0.5885


 187.4197, 0.3790,
0.4452

 5.1007, 0.3932,
0.6068

 229.5459, 0.3754,
0.4378

 2.3065, 0.3634,
0.6366

 277.5542, 0.3721,

 0.7771, 0.2012,

0.4312

0.7988

331.8288, 0.3692,
0.4253

0.0000, 0.0000,
0.0000

51.5648, 0.4023,
0.5023

51.5648, 0.4023,
0.5023

51.2756, 0.4052,
0.5108

51.9305, 0.3968,
0.4894

51.0381, 0.4061,
0.5157

52.3749, 0.3887,
0.4723

51.0345, 0.4061,
0.5158

52.9084, 0.3785,
0.4517

53.5379, 0.3665,
0.4285

54.2698, 0.3535,
0.4037

■ 55.1098, 0.3398,
0.3783

■ 56.0632, 0.3260,
0.3531

■ 57.1349, 0.3125,
0.3286

■ 58.3297, 0.2996,
0.3055

Harmonies

Analogous

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



51.5648, 0.4756, 0.4445



51.5648, 0.4023, 0.5023



51.5648, 0.3115, 0.5087

Triad

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



51.5648, 0.4023, 0.5023



51.5648, 0.1494, 0.2347



51.5648, 0.3895, 0.2490

Complementary

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



51.5648, 0.4023, 0.5023



6.3830, 0.1700, 0.0869

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.



51.5648, 0.2870, 0.2058



51.5648, 0.4023, 0.5023



51.5648, 0.1625, 0.1934

Square

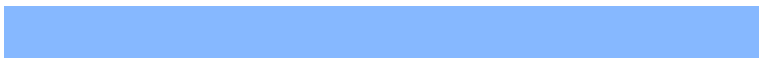
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.5648, 0.4023, 0.5023



51.5648, 0.1691, 0.3186



51.5648, 0.2078, 0.1860



51.5648, 0.4772, 0.3083

Rectangle

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



51.5648, 0.4023, 0.5023



51.5648, 0.2522, 0.4656



51.5648, 0.2078, 0.1860



51.5648, 0.3546, 0.2324

Sweetspot

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



51.5672, 0.4023, 0.5023



95.7985, 0.3460, 0.3898



14.6394, 0.5803, 0.3383



20.3930, 0.3509, 0.3990



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.



51.5672, 0.4023, 0.5023



89.4575, 0.4059, 0.5145



44.2533, 0.3368, 0.5498



12.3746, 0.3254, 0.3519



32.8308, 0.4063, 0.5156



1.5670, 0.4092, 0.5133

Inverse Universe

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



6.3830, 0.1700, 0.0869



7.6986, 0.1536, 0.0634



10.4073, 0.2369, 0.1215



10.3252, 0.2994, 0.3052



2.7322, 0.1527, 0.0615



0.1430, 0.1621, 0.0667

Previews

White Background



This preview shows how the Yxy color 51.5648, 0.4023, 0.5023 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 51.5648, 0.4023, 0.5023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

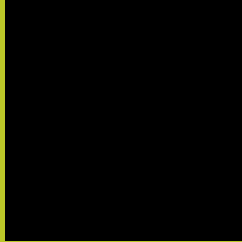
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5648, 0.4023, 0.5023

Background



This preview shows how black text looks on a background with the Yxy color 51.5648, 0.4023, 0.5023.



This preview shows how white text looks on a background with the Yxy color 51.5648, 0.4023, 0.5023.

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

51.5648, 0.4023, 0.5023

Protanopia

51.2630, 0.4344, 0.4789

Deuteranopia

51.2235, 0.4611, 0.4499



Tritanopia

51.2856, 0.3144, 0.3109

Trichromacy



Original Color

51.5648, 0.4023, 0.5023

Protanomaly

51.1238, 0.4226, 0.4873

Deuteranomaly

50.9535, 0.4398, 0.4690

Tritanomaly

50.5157, 0.3557, 0.3901

Monochromacy



Original Color

51.5648, 0.4023, 0.5023

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.0540, 0.3556, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5648, 0.4023, 0.5023 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(187, 199, 40)` looks like.

```
.text, #text, p{  
    color:rgb(187, 199, 40)  
}
```

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(187, 199, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 199, 40) }
```

Border

The CSS property to change the border of an element to Yxy 51.5648, 0.4023, 0.5023 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(187, 199, 40) }
```

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

```
.border{ border-color:rgb(187, 199, 40) }
```

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

Here you see how a box with a 4 pixel rgb(187, 199, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 199, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 199, 40);  
box-shadow:4px 4px 4px 4px rgb(187, 199,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5648, 0.4023, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 199, 40) }
```

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

```
.background{ background-color: rgb(187,  
199, 40) }
```

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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