

Converting Colors

$Y_{xy}(42.7985, 0.4175, 0.4954)$

Have a look what the booklet for
Yxy(42.7985, 0.4175, 0.4954)
contains.

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Color

Yxy(42.7985, 0.4175, 0.4954)

Conversions

Conversions Part 1

Format	Color
Hex	B7B41D
RGB	183, 180, 29
RGB Percent	72%, 71%, 11%
CMY	0.2824, 0.2941, 0.8861
CMYK	0.00, 0.02, 0.84, 0.28
HSL	59°, 73%, 42%
HSV	59°, 84%, 72%
XYZ	36.0686, 42.7985, 7.5247
YIQ	163.6830, 50.2590, -46.3250

Conversions

Conversions Part 2

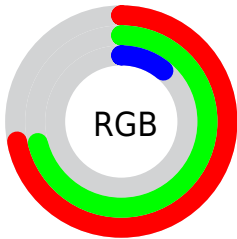
Format	Color
R _Y B	32, 183, 29
Decimal	12039197
CIE Lab	71.42, -14.81, 68.65
CIE LCh	71, 70.226, 102.174
Yxy	42.7985, 0.4175, 0.4954
Android (android.graphics.Color)	4290229277 (0xFFB7B41D)
YUV	163.6830, -66.3987, 16.9410
Hunter-Lab	65.4206, -16.0729, 38.9748

Details

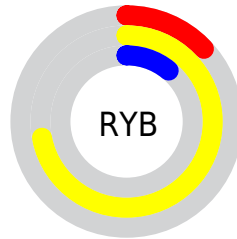
The Yxy color **42.7985, 0.4175, 0.4954** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.7139, 0.1609, 0.0793**, and the grayscale version is **37.2717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6235, 0.4035, 0.4690**, and **19.8740, 0.4167, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **42.5927, 0.4212, 0.5007**, and if you desaturate by 10%, it is **43.0624, 0.4112, 0.4859**.

Distribution



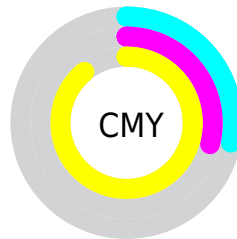
- Red (72%)
- Green (71%)
- Blue (11%)



- Red (13%)
- Yellow (72%)
- Blue (11%)



- Cyan (0%)
- Magenta (2%)
- Yellow (84%)
- Black (28%)



- Cyan (28%)
- Magenta (29%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7985, 0.4175, 0.4954 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 42.7985, 0.4175, 0.4954 by changing the saturation by 10% instead.

■ 42.7985, 0.4175,
0.4954

■ 42.7985, 0.4175,
0.4954

■ 357.7824, 0.3728,
0.4159

■ 29.7270, 0.4244,
0.5117

■ 79.4067, 0.4041,
0.4687

■ 19.6315, 0.4305,
0.5299

■ 103.7122, 0.3981,
0.4579

■ 12.1275, 0.4374,
0.5538

■ 132.5313, 0.3928,
0.4485

■ 6.8305, 0.4313,
0.5687

■ 166.2482, 0.3879,
0.4403

■ 3.3564, 0.4159,
0.5841

■ 205.2473, 0.3835,
0.4331

■ 1.3205, 0.3888,
0.6112

■ 249.9132, 0.3796,

■ 0.1570, 0.0000,

0.4267

1.0000

300.6301, 0.3760,
0.4210

■ 0.0000, 0.0000,
0.0000

■ 42.7985, 0.4175,
0.4954

■ 42.7985, 0.4175,
0.4954

■ 42.5927, 0.4212,
0.5007

■ 43.0624, 0.4112,
0.4859

■ 42.4857, 0.4227,
0.5026

■ 43.3866, 0.4023,
0.4722

■ 43.7801, 0.3911,
0.4547

■ 44.2489, 0.3781,
0.4341

■ 44.7982, 0.3638,
0.4113

■ 45.4329, 0.3488,
0.3872

■ 46.1575, 0.3336,
0.3628

■ 46.9760, 0.3187,
0.3387

■ 47.8925, 0.3044,
0.3155

Harmonies

Analogous

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



42.7985, 0.4859, 0.4329



42.7985, 0.4175, 0.4954



42.7985, 0.3277, 0.5149

Triad

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



42.7985, 0.4175, 0.4954



42.7985, 0.1494, 0.2456



42.7985, 0.3715, 0.2395

Complementary

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



42.7985, 0.4175, 0.4954



4.7139, 0.1609, 0.0793

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.



42.7985, 0.2705, 0.1998



42.7985, 0.4175, 0.4954



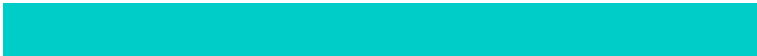
42.7985, 0.1571, 0.1971

Square

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



42.7985, 0.4175, 0.4954



42.7985, 0.1755, 0.3376



42.7985, 0.1967, 0.1844



42.7985, 0.4662, 0.2968

Rectangle

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



42.7985, 0.4175, 0.4954



42.7985, 0.2668, 0.4818



42.7985, 0.1967, 0.1844



42.7985, 0.3363, 0.2239

Sweetspot

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



42.8005, 0.4175, 0.4954



81.2335, 0.3508, 0.3903



11.0624, 0.5973, 0.3262



17.8516, 0.3560, 0.3988



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.8005, 0.4175, 0.4954



76.0669, 0.4228, 0.5025



37.3369, 0.3480, 0.5476



10.4728, 0.3264, 0.3512



29.6579, 0.4227, 0.5026



1.0550, 0.4217, 0.5033

Inverse Universe

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



4.7139, 0.1609, 0.0793



6.2225, 0.1503, 0.0609



7.0590, 0.2147, 0.1057



8.7465, 0.2984, 0.3058



2.4502, 0.1504, 0.0615



0.0958, 0.1521, 0.0675

Previews

White Background



This preview shows how the Yxy color 42.7985, 0.4175, 0.4954 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 42.7985, 0.4175, 0.4954 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 42.7985, 0.4175, 0.4954

Background



This preview shows how black text looks on a background with the Yxy color 42.7985, 0.4175, 0.4954.



This preview shows how white text looks on a background with the Yxy color 42.7985, 0.4175, 0.4954.

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

42.7985, 0.4175, 0.4954

Protanopia

42.6141, 0.4359, 0.4817

Deuteranopia

42.6280, 0.4633, 0.4540



Tritanopia

42.8108, 0.3254, 0.3124

Trichromacy



Original Color

42.7985, 0.4175, 0.4954

Protanomaly

42.7346, 0.4292, 0.4869

Deuteranomaly

42.5126, 0.4473, 0.4684

Tritanomaly

41.9586, 0.3700, 0.3905

Monochromacy



Original Color

42.7985, 0.4175, 0.4954

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.6452, 0.3615, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7985, 0.4175, 0.4954 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(183, 180, 29)` looks like.

```
.text, #text, p{  
    color:rgb(183, 180, 29)  
}
```

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(183, 180, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 180, 29) }
```

Border

The CSS property to change the border of an element to Yxy 42.7985, 0.4175, 0.4954 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(183, 180, 29) }
```

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

```
.border{ border-color:rgb(183, 180, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 180, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 180, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 180, 29);  
box-shadow:4px 4px 4px 4px rgb(183, 180,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7985, 0.4175, 0.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 180, 29) }
```

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

```
.background{ background-color: rgb(183,  
180, 29) }
```

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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