

Converting Colors

$Y_{xy}(51.4765, 0.4294, 0.4790)$

Have a look what the booklet for
Yxy(51.4765, 0.4294, 0.4790)
contains.

Yxy(51.4405, 0.4299, 0.4783)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.4405, 0.4299, 0.4783)

Conversions

Conversions Part 1

Format	Color
Hex	D4BF2C
RGB	212, 191, 44
RGB Percent	83%, 75%, 17%
CMY	0.1687, 0.2509, 0.8275
CMYK	0.00, 0.10, 0.79, 0.17
HSL	53°, 66%, 50%
HSV	53°, 79%, 83%
XYZ	46.2351, 51.4405, 9.8730
YIQ	180.5210, 59.7030, -41.2650

Conversions

Conversions Part 2

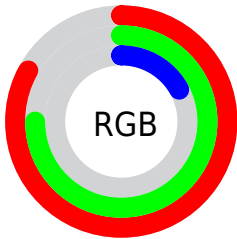
Format	Color
RYB	68, 212, 44
Decimal	13942572
CIELab	76.95, -7.39, 70.40
CIELCh	77, 70.786, 95.996
Yxy	51.4405, 0.4299, 0.4783
Android (android.graphics.Color)	4292132652 (0xFFD4BF2C)
YUV	180.5210, -67.3049, 27.6071
Hunter-Lab	71.7220, -10.4447, 42.0438

Details

The Yxy color **51.4405, 0.4299, 0.4783** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **9.0654, 0.1700, 0.1040**, and the grayscale version is **46.2823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7608, 0.4016, 0.4632**, and **24.9493, 0.4373, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **50.1776, 0.4377, 0.4842**, and if you desaturate by 10%, it is **52.8105, 0.4193, 0.4679**.

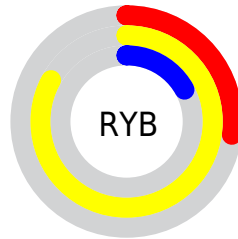
Distribution



Red (83%)

Green (75%)

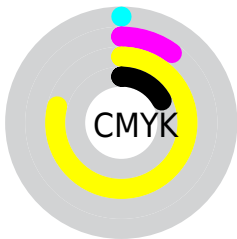
Blue (17%)



Red (27%)

Yellow (83%)

Blue (17%)

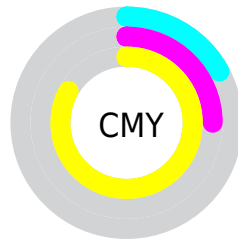


Cyan (0%)

Magenta (10%)

Yellow (79%)

Black (17%)



Cyan (17%)

Magenta (25%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4405, 0.4299, 0.4783 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 51.4405, 0.4299, 0.4783 by changing the saturation by 10% instead.

51.4405, 0.4299,
0.4783

51.4405, 0.4299,
0.4783

392.2728, 0.3796,
0.4108

36.5593, 0.4386,
0.4913

92.3056, 0.4143,
0.4564

24.8665, 0.4474,
0.5056

119.0582, 0.4076,
0.4473

15.9776, 0.4554,
0.5206

150.5368, 0.4016,
0.4393

9.5083, 0.4627,
0.5373

187.1258, 0.3962,
0.4322

5.0742, 0.4568,
0.5432

229.2095, 0.3914,
0.4259

2.2909, 0.4474,
0.5526

277.1723, 0.3870,

0.7689, 0.4171,

0.4203

0.5829

331.3986, 0.3831,
0.4153

■ 0.0000, 0.0000,
0.0000

■ 51.4405, 0.4299,
0.4783

■ 51.4405, 0.4299,
0.4783

■ 50.1776, 0.4377,
0.4842

■ 52.8105, 0.4193,
0.4679

■ 48.9963, 0.4430,
0.4861

■ 54.2912, 0.4063,
0.4534

■ 48.9095, 0.4434,
0.4862

■ 55.8946, 0.3915,
0.4355

■ 57.6287, 0.3755,
0.4151

■ 59.5010, 0.3590,
0.3933

■ 61.5182, 0.3426,
0.3710

■ 63.6867, 0.3267,
0.3488

■ 66.0122, 0.3116,
0.3274

■ 68.5004, 0.2976,
0.3071

Harmonies

Analogous

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



51.4405, 0.4874, 0.4164



51.4405, 0.4299, 0.4783



51.4405, 0.3467, 0.5068

Triad

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



51.4405, 0.4299, 0.4783



51.4405, 0.1585, 0.2649



51.4405, 0.3482, 0.2338

Complementary

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



51.4405, 0.4299, 0.4783



9.0654, 0.1700, 0.1040

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.



51.4405, 0.2556, 0.1999



51.4405, 0.4299, 0.4783



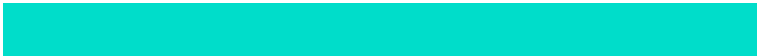
51.4405, 0.1593, 0.2096

Square

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



51.4405, 0.4299, 0.4783



51.4405, 0.1916, 0.3599



51.4405, 0.1912, 0.1905



51.4405, 0.4427, 0.2866

Rectangle

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



51.4405, 0.4299, 0.4783



51.4405, 0.2875, 0.4864



51.4405, 0.1912, 0.1905



51.4405, 0.3152, 0.2201

Sweetspot

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



51.4430, 0.4299, 0.4783



91.8855, 0.3507, 0.3822



16.1942, 0.5580, 0.3111



19.4343, 0.3567, 0.3902



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.



51.4430, 0.4299, 0.4783



74.9995, 0.4414, 0.4857



53.7863, 0.3619, 0.5312



14.2429, 0.3269, 0.3492



30.2978, 0.4430, 0.4865



1.9033, 0.4383, 0.4902

Inverse Universe

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



9.0654, 0.1700, 0.1040



9.0320, 0.1545, 0.0732



9.5924, 0.2043, 0.1049



12.2561, 0.2981, 0.3079



3.4835, 0.1528, 0.0699



0.2945, 0.1594, 0.0936

Previews

White Background



This preview shows how the Yxy color 51.4405, 0.4299, 0.4783 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 51.4405, 0.4299, 0.4783 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 51.4405, 0.4299, 0.4783

Background



This preview shows how black text looks on a background with the Yxy color 51.4405, 0.4299, 0.4783.



This preview shows how white text looks on a background with the Yxy color 51.4405, 0.4299, 0.4783.

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

51.4405, 0.4299, 0.4783

Protanopia

51.3049, 0.4325, 0.4762

Deuteranopia

51.2150, 0.4614, 0.4504



Tritanopia

51.3345, 0.3406, 0.3130

Trichromacy



Original Color

51.4405, 0.4299, 0.4783

Protanomaly

51.1549, 0.4317, 0.4768

Deuteranomaly

51.1442, 0.4500, 0.4606

Tritanomaly

50.7620, 0.3824, 0.3826

Monochromacy



Original Color

51.4405, 0.4299, 0.4783

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.5431, 0.3626, 0.3992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4405, 0.4299, 0.4783 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(212, 191, 44)` looks like.

```
.text, #text, p{  
    color:rgb(212, 191, 44)  
}
```

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(212, 191, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 191, 44) }
```

Border

The CSS property to change the border of an element to Yxy 51.4405, 0.4299, 0.4783 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(212, 191, 44) }
```

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

```
.border{ border-color:rgb(212, 191, 44) }
```

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

Here you see how a box with a 4 pixel rgb(212, 191, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 191, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 191, 44);  
box-shadow:4px 4px 4px 4px rgb(212, 191,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4405, 0.4299, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 191, 44) }
```

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

```
.background{ background-color: rgb(212,  
191, 44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor