

Converting Colors

$Y_{xy}(44.7549, 0.4437, 0.4859)$

Have a look what the booklet for
Yxy(44.7549, 0.4437, 0.4859)
contains.

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Color

Yxy(44.6782, 0.4439, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	CCB200
RGB	204, 178, 0
RGB Percent	80%, 70%, 0%
CMY	0.1999, 0.3020, 1.0000
CMYK	0.00, 0.13, 1.00, 0.20
HSL	52°, 100%, 40%
HSV	52°, 100%, 80%
XYZ	40.8247, 44.6782, 6.4654
YIQ	165.4820, 72.6340, -49.8460

Conversions

Conversions Part 2

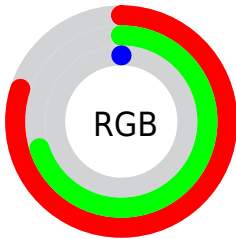
Format	Color
R _Y B	30, 204, 0
Decimal	13414912
CIE Lab	72.68, -4.99, 74.87
CIE LCh	73, 75.035, 93.811
Yxy	44.6782, 0.4439, 0.4858
Android (android.graphics.Color)	4291604992 (0xFFCCB200)
YUV	165.4820, -81.5826, 33.7803
Hunter-Lab	66.8418, -7.9512, 41.0543

Details

The Yxy color **44.6782, 0.4439, 0.4858** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **5.0999, 0.1525, 0.0690**, and the grayscale version is **38.2473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1170, 0.4195, 0.4679**, and **20.9415, 0.4439, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **44.6808, 0.4439, 0.4858**, and if you desaturate by 10%, it is **45.7779, 0.4385, 0.4840**.

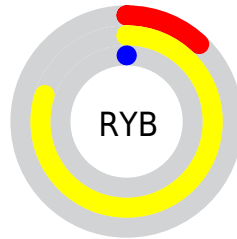
Distribution



Red (80%)

Green (70%)

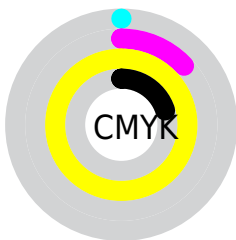
Blue (0%)



Red (12%)

Yellow (80%)

Blue (0%)

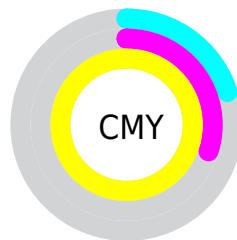


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6782, 0.4439, 0.4858 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 44.6782, 0.4439, 0.4858 by changing the saturation by 10% instead.


 44.6782, 0.4439,
0.4858


 44.6782, 0.4439,
0.4858

365.4687, 0.3877,
0.4159

 31.2040, 0.4530,
0.4982


 82.2373, 0.4269,
0.4638


 20.7543, 0.4615,
0.5109


 107.0910, 0.4194,
0.4544


 12.9445, 0.4724,
0.5276


 136.5067, 0.4127,
0.4461

 7.3903, 0.4693,
0.5307

 170.8688, 0.4066,
0.4386

 3.7074, 0.4646,
0.5354

 210.5616, 0.4011,
0.4320

 1.5113, 0.4565,
0.5435

 255.9696, 0.3962,

 0.2966, 0.3507,

0.4261

0.6493

307.4772, 0.3917,
0.4207

■ 0.0000, 0.0000,
0.0000

■ 44.6782, 0.4439,
0.4858

■ 44.6782, 0.4439,
0.4858

■ 44.6808, 0.4439,
0.4858

■ 45.7779, 0.4385,
0.4840

■ 46.9496, 0.4308,
0.4784

■ 48.2148, 0.4203,
0.4683

■ 49.5835, 0.4074,
0.4541

■ 51.0645, 0.3926,
0.4364

■ 52.6653, 0.3766,
0.4163

■ 54.3926, 0.3602,
0.3947

■ 56.2527, 0.3437,
0.3724

■ 58.2512, 0.3278,
0.3504

Harmonies

Analogous

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



44.6782, 0.5060, 0.4149



44.6782, 0.4439, 0.4858



44.6782, 0.3540, 0.5269

Triad

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



44.6782, 0.4439, 0.4858



44.6782, 0.1465, 0.2629



44.6782, 0.3431, 0.2219

Complementary

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



44.6782, 0.4439, 0.4858



5.0999, 0.1525, 0.0690

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.



44.6782, 0.2432, 0.1874



44.6782, 0.4439, 0.4858



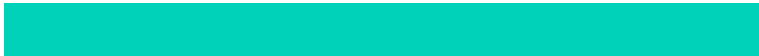
44.6782, 0.1455, 0.2009

Square

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



44.6782, 0.4439, 0.4858



44.6782, 0.1835, 0.3713



44.6782, 0.1768, 0.1790



44.6782, 0.4501, 0.2769

Rectangle

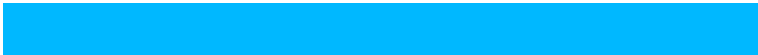
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.6782, 0.4439, 0.4858



44.6782, 0.2895, 0.5111



44.6782, 0.1768, 0.1790



44.6782, 0.3070, 0.2077

Sweetspot

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



44.6808, 0.4439, 0.4858



89.9476, 0.3608, 0.3955



12.9198, 0.6238, 0.3210



18.9862, 0.3679, 0.4049



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.



44.6808, 0.4439, 0.4858



73.7596, 0.4442, 0.4855



47.8772, 0.3560, 0.5555



12.8431, 0.3269, 0.3490



28.2130, 0.4435, 0.4861



1.5253, 0.4381, 0.4903

Inverse Universe

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



5.0999, 0.1525, 0.0690



8.2811, 0.1522, 0.0678



5.8485, 0.1787, 0.0758



11.0707, 0.2982, 0.3081



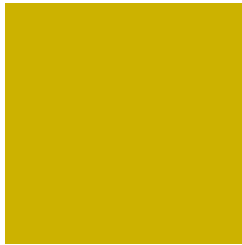
3.2853, 0.1529, 0.0705



0.2474, 0.1605, 0.0976

Previews

White Background



This preview shows how the Yxy color 44.6782, 0.4439, 0.4858 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 44.6782, 0.4439, 0.4858 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 44.6782, 0.4439, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 44.6782, 0.4439, 0.4858.

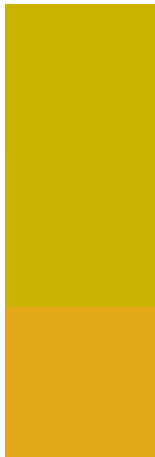


This preview shows how white text looks on a background with the Yxy color 44.6782, 0.4439, 0.4858.

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

44.6782, 0.4439, 0.4858

Protanopia

44.6665, 0.4396, 0.4881

Deuteranopia

44.4376, 0.4692, 0.4595



Tritanopia

44.4208, 0.3473, 0.3134

Trichromacy



Original Color

44.6782, 0.4439, 0.4858

Protanomaly

44.8033, 0.4406, 0.4875

Deuteranomaly

44.2858, 0.4603, 0.4693

Tritanomaly

43.6433, 0.4019, 0.3993

Monochromacy



Original Color

44.6782, 0.4439, 0.4858

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.3531, 0.3780, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6782, 0.4439, 0.4858 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(204, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 0)  
}
```

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(204, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.6782, 0.4439, 0.4858 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(204, 178, 0) }
```

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

```
.border{ border-color:rgb(204, 178, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 178, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6782, 0.4439, 0.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 0) }
```

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

```
.background{ background-color: rgb(204,  
178, 0) }
```

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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