

Converting Colors

$Y_{xy}(44.2206, 0.4243, 0.5013)$

Have a look what the booklet for
Yxy(44.2206, 0.4243, 0.5013)
contains.

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Color

Yxy(44.1473, 0.4250, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	BCB600
RGB	188, 182, 0
RGB Percent	74%, 71%, 0%
CMY	0.2628, 0.2862, 1.0000
CMYK	0.00, 0.03, 1.00, 0.26
HSL	58°, 100%, 37%
HSV	58°, 100%, 74%
XYZ	37.4653, 44.1473, 6.5410
YIQ	163.0460, 61.9980, -55.3300

Conversions

Conversions Part 2

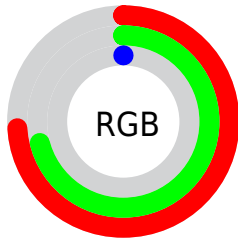
Format	Color
R _Y B	6, 188, 0
Decimal	12367360
CIE Lab	72.33, -14.11, 73.96
CIE LCh	72, 75.293, 100.803
Yxy	44.1473, 0.4250, 0.5008
Android (android.graphics.Color)	4290557440 (0xFFBCB600)
YUV	163.0460, -80.3817, 21.8847
Hunter-Lab	66.4434, -15.6257, 40.6736

Details

The Yxy color **44.1473, 0.4250, 0.5008** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.7606, 0.1506, 0.0619**, and the grayscale version is **37.0152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6847, 0.4111, 0.4748**, and **20.7111, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **44.1498, 0.4250, 0.5008**, and if you desaturate by 10%, it is **44.4419, 0.4220, 0.4974**.

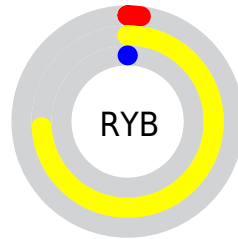
Distribution



Red (74%)

Green (71%)

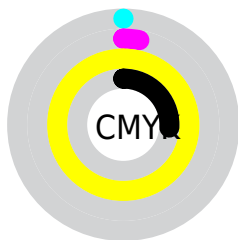
Blue (0%)



Red (2%)

Yellow (74%)

Blue (0%)

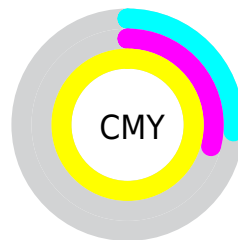


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1473, 0.4250, 0.5008 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 44.1473, 0.4250, 0.5008 by changing the saturation by 10% instead.


 44.1473, 0.4250,
0.5008


 44.1473, 0.4250,
0.5008


363.3090, 0.3784,
0.4209

 30.7863, 0.4317,
0.5163


 81.4393, 0.4115,
0.4747


 20.4362, 0.4372,
0.5329


 106.1392, 0.4053,
0.4639


 12.7125, 0.4442,
0.5558


 135.3875, 0.3997,
0.4544

 7.2309, 0.4351,
0.5649

 169.5686, 0.3945,
0.4460

 3.6069, 0.4210,
0.5790

 209.0669, 0.3899,
0.4386

 1.4562, 0.3967,
0.6033

 254.2668, 0.3857,

 0.2576, 0.0000,

0.4320

1.0000

305.5527, 0.3819,
0.4261

■ 0.0000, 0.0000,
0.0000

■ 44.1473, 0.4250,
0.5008

■ 44.1473, 0.4250,
0.5008

■ 44.1498, 0.4250,
0.5008

■ 44.4419, 0.4220,
0.4974

■ 44.7797, 0.4170,
0.4906

■ 45.1796, 0.4093,
0.4795

■ 45.6498, 0.3991,
0.4643

■ 46.1972, 0.3868,
0.4455

■ 46.8278, 0.3729,
0.4240

■ 47.5471, 0.3580,
0.4007

■ 48.3601, 0.3427,
0.3766

■ 49.2714, 0.3275,
0.3525

Harmonies

Analogous

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



44.1473, 0.4964, 0.4323



44.1473, 0.4250, 0.5008



44.1473, 0.3313, 0.5279

Triad

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



44.1473, 0.4250, 0.5008



44.1473, 0.1423, 0.2435



44.1473, 0.3695, 0.2326

Complementary

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



44.1473, 0.4250, 0.5008



3.7606, 0.1506, 0.0619

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.



44.1473, 0.2635, 0.1925



44.1473, 0.4250, 0.5008



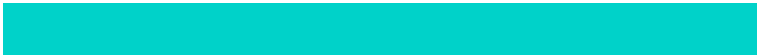
44.1473, 0.1490, 0.1918

Square

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



44.1473, 0.4250, 0.5008



44.1473, 0.1704, 0.3427



44.1473, 0.1883, 0.1776



44.1473, 0.4717, 0.2914

Rectangle

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



44.1473, 0.4250, 0.5008



44.1473, 0.2673, 0.4965



44.1473, 0.1883, 0.1776



44.1473, 0.3321, 0.2167

Sweetspot

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



44.1498, 0.4250, 0.5008



86.1098, 0.3587, 0.4019



10.7044, 0.6366, 0.3281



18.3957, 0.3651, 0.4119



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



44.1498, 0.4250, 0.5008



79.9474, 0.4251, 0.5007



38.6885, 0.3412, 0.5673



11.0670, 0.3265, 0.3510



30.0831, 0.4249, 0.5008



1.1948, 0.4235, 0.5020

Inverse Universe

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



3.7606, 0.1506, 0.0619



6.7496, 0.1504, 0.0614



5.6922, 0.1959, 0.0853



9.2727, 0.2984, 0.3060



2.5814, 0.1507, 0.0624



0.1180, 0.1532, 0.0716

Previews

White Background



This preview shows how the Yxy color 44.1473, 0.4250, 0.5008 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 44.1473, 0.4250, 0.5008 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 44.1473, 0.4250, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 44.1473, 0.4250, 0.5008.

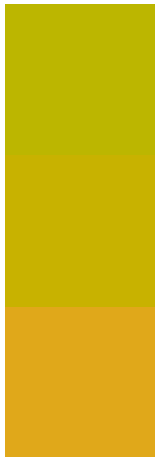


This preview shows how white text looks on a background with the Yxy color 44.1473, 0.4250, 0.5008.

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

44.1473, 0.4250, 0.5008

Protanopia

44.1201, 0.4402, 0.4887

Deuteranopia

43.9271, 0.4683, 0.4578



Tritanopia

44.0327, 0.3299, 0.3128

Trichromacy



Original Color

44.1473, 0.4250, 0.5008

Protanomaly

43.9760, 0.4354, 0.4925

Deuteranomaly

43.7765, 0.4533, 0.4735

Tritanomaly

43.2688, 0.3836, 0.4043

Monochromacy



Original Color

44.1473, 0.4250, 0.5008

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.5196, 0.3718, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1473, 0.4250, 0.5008 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(188, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 182, 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(188, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 182, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.1473, 0.4250, 0.5008 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(188, 182, 0) }
```

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

```
.border{ border-color:rgb(188, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 182,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1473, 0.4250, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 182, 0) }
```

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

```
.background{ background-color: rgb(188,  
182, 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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