

Converting Colors

$Y_{xy}(38.2950, 0.4450, 0.4849)$

Have a look what the booklet for
Yxy(38.2950, 0.4450, 0.4849)
contains.

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Color

Yxy(38.3488, 0.4445, 0.4853)

Conversions

Conversions Part 1

Format	Color
Hex	BFA600
RGB	191, 166, 0
RGB Percent	75%, 65%, 0%
CMY	0.2509, 0.3490, 1.0000
CMYK	0.00, 0.13, 1.00, 0.25
HSL	52°, 100%, 37%
HSV	52°, 100%, 75%
XYZ	35.1248, 38.3488, 5.5473
YIQ	154.5510, 68.1860, -46.3260

Conversions

Conversions Part 2

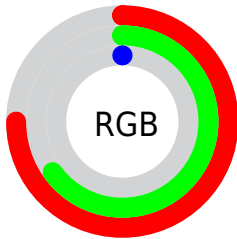
Format	Color
RYB	29, 191, 0
Decimal	12559872
CIELab	68.28, -4.45, 71.16
CIELCh	68, 71.301, 93.582
Yxy	38.3488, 0.4445, 0.4853
Android (android.graphics.Color)	4290749952 (0xFFBFA600)
YUV	154.5510, -76.1936, 31.9658
Hunter-Lab	61.9264, -7.1257, 38.0374

Details

The Yxy color **38.3488, 0.4445, 0.4853** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.4583, 0.1527, 0.0698**, and the grayscale version is **32.8919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7580, 0.4259, 0.4626**, and **17.2480, 0.4446, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **38.3509, 0.4445, 0.4853**, and if you desaturate by 10%, it is **39.3167, 0.4389, 0.4833**.

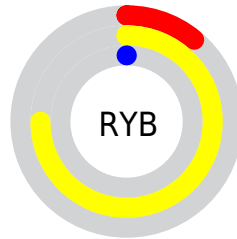
Distribution



Red (75%)

Green (65%)

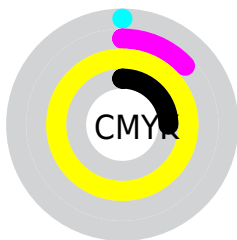
Blue (0%)



Red (11%)

Yellow (75%)

Blue (0%)

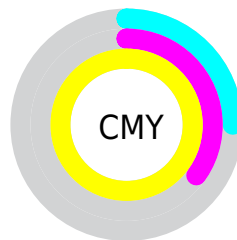


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3488, 0.4445, 0.4853 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 38.3488, 0.4445, 0.4853 by changing the saturation by 10% instead.


 38.3488, 0.4445,
0.4853


 38.3488, 0.4445,
0.4853


339.1139, 0.3862,
0.4136

 26.2535, 0.4541,
0.4983


 72.6424, 0.4266,
0.4624


 17.0134, 0.4631,
0.5115

 95.6096, 0.4187,
0.4527


 10.2440, 0.4729,
0.5271


 122.9695, 0.4117,
0.4442

 5.5611, 0.4696,
0.5304

 155.1065, 0.4055,
0.4366

 2.5801, 0.4644,
0.5356

 192.4051, 0.3998,
0.4299

 0.9167, 0.4540,
0.5460

 235.2495, 0.3948,

 0.0000, 0.0000,

0.4238

0.0000

284.0244, 0.3903,
0.4185

38.3488, 0.4445,
0.4853

38.3488, 0.4445,
0.4853

38.3509, 0.4445,
0.4853

39.3167, 0.4389,
0.4833

40.3468, 0.4310,
0.4776

41.4581, 0.4203,
0.4675

42.6592, 0.4073,
0.4532

43.9574, 0.3925,
0.4356

■ 45.3591, 0.3765,
0.4156

■ 46.8701, 0.3600,
0.3941

■ 48.4956, 0.3436,
0.3721

■ 50.2406, 0.3277,
0.3502

Harmonies

Analogous

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



38.3488, 0.5062, 0.4143



38.3488, 0.4445, 0.4853



38.3488, 0.3547, 0.5268

Triad

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



38.3488, 0.4445, 0.4853



38.3488, 0.1466, 0.2636



38.3488, 0.3423, 0.2215

Complementary

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



38.3488, 0.4445, 0.4853



4.4583, 0.1527, 0.0698

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.



38.3488, 0.2425, 0.1873



38.3488, 0.4445, 0.4853



38.3488, 0.1454, 0.2012

Square

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



38.3488, 0.4445, 0.4853



38.3488, 0.1840, 0.3723



38.3488, 0.1765, 0.1790



38.3488, 0.4494, 0.2764

Rectangle

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



38.3488, 0.4445, 0.4853



38.3488, 0.2903, 0.5115



38.3488, 0.1765, 0.1790



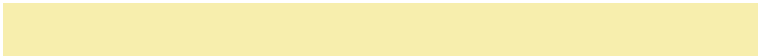
38.3488, 0.3062, 0.2075

Sweetspot

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



38.3509, 0.4445, 0.4853



83.7954, 0.3608, 0.3952



11.1507, 0.6231, 0.3206



18.1426, 0.3678, 0.4044



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.3509, 0.4445, 0.4853



68.4161, 0.4449, 0.4849



41.3321, 0.3563, 0.5553



10.9015, 0.3267, 0.3488



25.2829, 0.4441, 0.4856



1.0504, 0.4373, 0.4909

Inverse Universe

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



4.4583, 0.1527, 0.0698



7.7914, 0.1523, 0.0683



5.0659, 0.1791, 0.0760



9.4214, 0.2984, 0.3084



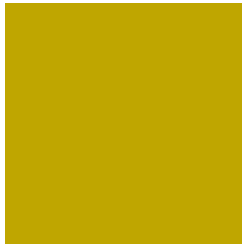
2.9976, 0.1531, 0.0712



0.1838, 0.1624, 0.1045

Previews

White Background



This preview shows how the Yxy color 38.3488, 0.4445, 0.4853 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 38.3488, 0.4445, 0.4853 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 38.3488, 0.4445, 0.4853

Background



This preview shows how black text looks on a background with the Yxy color 38.3488, 0.4445, 0.4853.

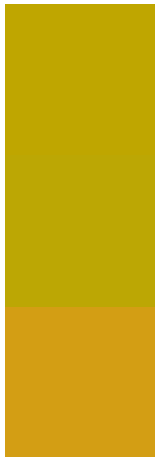


This preview shows how white text looks on a background with the Yxy color 38.3488, 0.4445, 0.4853.

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

38.3488, 0.4445, 0.4853

Protanopia

38.3376, 0.4399, 0.4877

Deuteranopia

38.3531, 0.4693, 0.4589



Tritanopia

38.1437, 0.3475, 0.3136

Trichromacy



Original Color

38.3488, 0.4445, 0.4853

Protanomaly

38.4628, 0.4410, 0.4871

Deuteranomaly

38.3562, 0.4607, 0.4685

Tritanomaly

37.3646, 0.4024, 0.3972

Monochromacy



Original Color

38.3488, 0.4445, 0.4853

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0220, 0.3776, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3488, 0.4445, 0.4853 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(191, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 166, 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(191, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.3488, 0.4445, 0.4853 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(191, 166, 0) }
```

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

```
.border{ border-color:rgb(191, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 166,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3488, 0.4445, 0.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 166, 0) }
```

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

```
.background{ background-color: rgb(191,  
166, 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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