

Converting Colors

$Y_{xy}(38.7969, 0.4434, 0.4861)$

Have a look what the booklet for
Yxy(38.7969, 0.4434, 0.4861)
contains.

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Color

Yxy(38.7138, 0.4434, 0.4862)

Conversions

Conversions Part 1

Format	Color
Hex	BFA700
RGB	191, 167, 0
RGB Percent	75%, 65%, 0%
CMY	0.2509, 0.3451, 1.0000
CMYK	0.00, 0.13, 1.00, 0.25
HSL	52°, 100%, 37%
HSV	52°, 100%, 75%
XYZ	35.3058, 38.7138, 5.6056
YIQ	155.1380, 67.9110, -46.8490

Conversions

Conversions Part 2

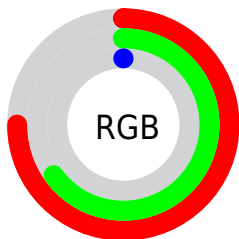
Format	Color
R_{YB}	27, 191, 0
Decimal	12560128
CIE _{Lab}	68.54, -4.99, 71.36
CIE _{LCh}	69, 71.537, 93.998
Yxy	38.7138, 0.4434, 0.4862
Android (android.graphics.Color)	4290750208 (0xFFBFA700)
YUV	155.1380, -76.4830, 31.4510
Hunter-Lab	62.2204, -7.5992, 38.2127

Details

The Yxy color **38.7138, 0.4434, 0.4862** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.4157, 0.1526, 0.0692**, and the grayscale version is **33.1676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2876, 0.4252, 0.4634**, and **17.4773, 0.4430, 0.4864** is the 20% darker color. If you saturate the color by 10%, you get **38.7161, 0.4434, 0.4862**, and if you desaturate by 10%, it is **39.6514, 0.4379, 0.4841**.

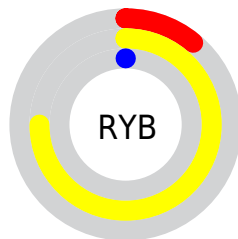
Distribution



Red (75%)

Green (65%)

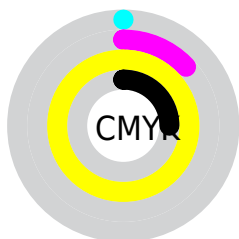
Blue (0%)



Red (11%)

Yellow (75%)

Blue (0%)

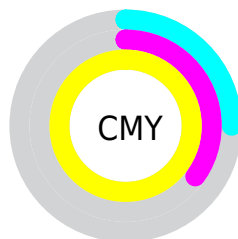


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7138, 0.4434, 0.4862 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 38.7138, 0.4434, 0.4862 by changing the saturation by 10% instead.


 38.7138, 0.4434,
0.4862


 38.7138, 0.4434,
0.4862

340.6722, 0.3858,
0.4141

 26.5372, 0.4528,
0.4993


 73.2009, 0.4257,
0.4631


 17.2259, 0.4616,
0.5127


 96.2801, 0.4180,
0.4534

 10.3957, 0.4712,
0.5288

 123.7624, 0.4111,
0.4448

 5.6621, 0.4676,
0.5324

 156.0320, 0.4049,
0.4372

 2.6407, 0.4618,
0.5382

 193.4734, 0.3993,
0.4304

 0.9472, 0.4507,
0.5493

 236.4709, 0.3943,

 0.0000, 0.0000,

0.4243

0.0000

285.4091, 0.3898,
0.4189

38.7138, 0.4434,
0.4862

38.7138, 0.4434,
0.4862

38.7161, 0.4434,
0.4862

39.6514, 0.4379,
0.4841

40.6496, 0.4302,
0.4784

41.7276, 0.4197,
0.4682

42.8940, 0.4069,
0.4539

44.1561, 0.3922,
0.4362

■ 45.5203, 0.3763,
0.4161

■ 46.9923, 0.3599,
0.3945

■ 48.5775, 0.3436,
0.3723

■ 50.2806, 0.3277,
0.3503

Harmonies

Analogous

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



38.7138, 0.5057, 0.4153



38.7138, 0.4434, 0.4862



38.7138, 0.3533, 0.5269

Triad

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



38.7138, 0.4434, 0.4862



38.7138, 0.1464, 0.2624



38.7138, 0.3438, 0.2222

Complementary

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



38.7138, 0.4434, 0.4862



4.4157, 0.1526, 0.0692

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.



38.7138, 0.2437, 0.1876



38.7138, 0.4434, 0.4862



38.7138, 0.1456, 0.2006

Square

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



38.7138, 0.4434, 0.4862



38.7138, 0.1832, 0.3705



38.7138, 0.1771, 0.1789



38.7138, 0.4507, 0.2773

Rectangle

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



38.7138, 0.4434, 0.4862



38.7138, 0.2889, 0.5107



38.7138, 0.1771, 0.1789



38.7138, 0.3076, 0.2080

Sweetspot

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



38.7161, 0.4434, 0.4862



84.0231, 0.3607, 0.3955



11.1500, 0.6231, 0.3206



18.1992, 0.3677, 0.4048



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.



38.7161, 0.4434, 0.4862



69.0829, 0.4438, 0.4858



41.3295, 0.3563, 0.5553



10.9103, 0.3267, 0.3489



25.5217, 0.4430, 0.4865



1.0578, 0.4366, 0.4916

Inverse Universe

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



4.4157, 0.1526, 0.0692



7.7217, 0.1522, 0.0678



5.0656, 0.1791, 0.0760



9.4135, 0.2984, 0.3083



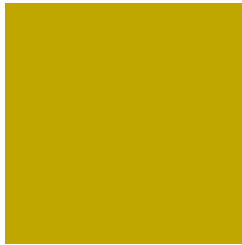
2.9679, 0.1530, 0.0706



0.1803, 0.1619, 0.1029

Previews

White Background



This preview shows how the Yxy color 38.7138, 0.4434, 0.4862 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 38.7138, 0.4434, 0.4862 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 38.7138, 0.4434, 0.4862

Background



This preview shows how black text looks on a background with the Yxy color 38.7138, 0.4434, 0.4862.

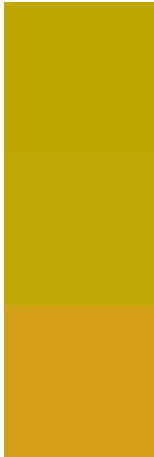


This preview shows how white text looks on a background with the Yxy color 38.7138, 0.4434, 0.4862.

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

38.7138, 0.4434, 0.4862

Protanopia

38.8328, 0.4398, 0.4878

Deuteranopia

38.6957, 0.4681, 0.4599



Tritanopia

38.6502, 0.3473, 0.3137

Trichromacy



Original Color

38.7138, 0.4434, 0.4862

Protanomaly

38.9590, 0.4409, 0.4872

Deuteranomaly

38.7071, 0.4596, 0.4694

Tritanomaly

37.7072, 0.4018, 0.3984

Monochromacy



Original Color

38.7138, 0.4434, 0.4862

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 38.7138, 0.4434, 0.4862 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, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 167, 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, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.7138, 0.4434, 0.4862 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, 167, 0) }
```

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

```
.border{ border-color:rgb(191, 167, 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, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 167,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7138, 0.4434, 0.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 167, 0) }
```

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

```
.background{ background-color: rgb(191,  
167, 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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