

Converting Colors

$Y_{xy}(38.4285, 0.4420, 0.4872)$

Have a look what the booklet for
Yxy(38.4285, 0.4420, 0.4872)
contains.

Yxy(38.4562, 0.4414, 0.4877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4562, 0.4414, 0.4877)

Conversions

Conversions Part 1

Format	Color
Hex	BDA700
RGB	189, 167, 0
RGB Percent	74%, 65%, 0%
CMY	0.2588, 0.3451, 0.9996
CMYK	0.00, 0.12, 1.00, 0.26
HSL	53°, 100%, 37%
HSV	53°, 100%, 74%
XYZ	34.8053, 38.4562, 5.5906
YIQ	154.5400, 66.7190, -47.2730

Conversions

Conversions Part 2

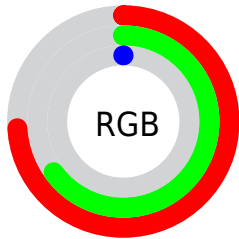
Format	Color
R _Y B	25, 189, 0
Decimal	12429056
CIE Lab	68.36, -5.88, 71.10
CIE LCh	68, 71.348, 94.731
Yxy	38.4562, 0.4414, 0.4877
Android (android.graphics.Color)	4290619136 (0xFFBDA700)
YUV	154.5400, -76.1882, 30.2214
Hunter-Lab	62.0131, -8.3383, 38.0640

Details

The Yxy color **38.4562, 0.4414, 0.4877** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2520, 0.1524, 0.0684**, and the grayscale version is **32.8910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9181, 0.4236, 0.4643**, and **17.3161, 0.4403, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **38.4538, 0.4414, 0.4877**, and if you desaturate by 10%, it is **39.3181, 0.4362, 0.4855**.

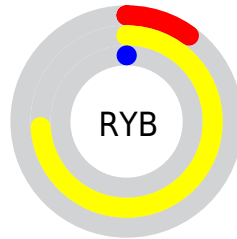
Distribution



Red (74%)

Green (65%)

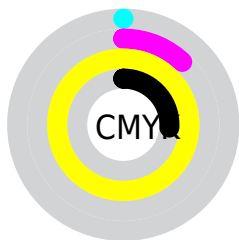
Blue (0%)



Red (10%)

Yellow (74%)

Blue (0%)

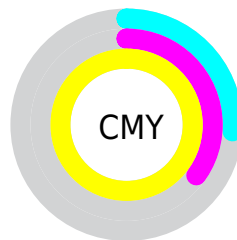


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4562, 0.4414, 0.4877 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 38.4562, 0.4414, 0.4877 by changing the saturation by 10% instead.


 38.4562, 0.4414,
0.4877


 38.4562, 0.4414,
0.4877


339.5729, 0.3847,
0.4144


 26.3369, 0.4506,
0.5012


 72.8068, 0.4241,
0.4641

 17.0759, 0.4591,
0.5151


 95.8070, 0.4165,
0.4543

 10.2886, 0.4683,
0.5317


 123.2030, 0.4097,
0.4455

 5.5907, 0.4639,
0.5361

 155.3790, 0.4035,
0.4378

 2.5979, 0.4570,
0.5430

 192.7197, 0.3981,
0.4309

 0.9256, 0.4428,
0.5572

 235.6093, 0.3932,

 0.0000, 0.0000,

0.4248

0.0000

284.4322, 0.3887,
0.4194

38.4562, 0.4414,
0.4877

38.4562, 0.4414,
0.4877

38.4538, 0.4414,
0.4877

39.3181, 0.4362,
0.4855

40.2374, 0.4287,
0.4795

41.2323, 0.4185,
0.4692

42.3113, 0.4059,
0.4548

43.4814, 0.3915,
0.4370

■ 44.7488, 0.3758,
0.4167

■ 46.1191, 0.3596,
0.3950

■ 47.5974, 0.3434,
0.3726

■ 49.1885, 0.3276,
0.3504

Harmonies

Analogous

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



38.4562, 0.5047, 0.4171



38.4562, 0.4414, 0.4877



38.4562, 0.3510, 0.5270

Triad

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



38.4562, 0.4414, 0.4877



38.4562, 0.1460, 0.2603



38.4562, 0.3465, 0.2233

Complementary

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



38.4562, 0.4414, 0.4877



4.2520, 0.1524, 0.0684

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.



38.4562, 0.2458, 0.1882



38.4562, 0.4414, 0.4877



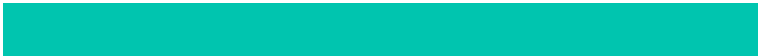
38.4562, 0.1460, 0.1997

Square

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



38.4562, 0.4414, 0.4877



38.4562, 0.1818, 0.3675



38.4562, 0.1784, 0.1789



38.4562, 0.4529, 0.2788

Rectangle

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



38.4562, 0.4414, 0.4877



38.4562, 0.2866, 0.5092



38.4562, 0.1784, 0.1789



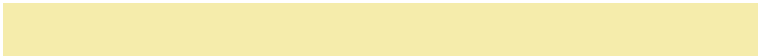
38.4562, 0.3102, 0.2090

Sweetspot

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



38.4580, 0.4414, 0.4877



82.4650, 0.3605, 0.3961



10.8793, 0.6259, 0.3222



17.5072, 0.3673, 0.4054



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.



38.4580, 0.4414, 0.4877



68.6405, 0.4418, 0.4874



40.1485, 0.3537, 0.5573



10.9257, 0.3267, 0.3491



25.9454, 0.4411, 0.4880



1.0707, 0.4352, 0.4926

Inverse Universe

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



4.2520, 0.1524, 0.0684



7.4349, 0.1519, 0.0669



5.0735, 0.1817, 0.0775



9.3995, 0.2984, 0.3081



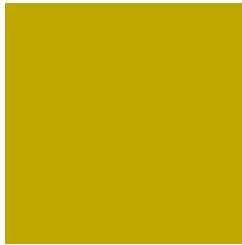
2.9180, 0.1527, 0.0696



0.1742, 0.1611, 0.1000

Previews

White Background



This preview shows how the Yxy color 38.4562, 0.4414, 0.4877 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 38.4562, 0.4414, 0.4877 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 38.4562, 0.4414, 0.4877

Background



This preview shows how black text looks on a background with the Yxy color 38.4562, 0.4414, 0.4877.



This preview shows how white text looks on a background with the Yxy color 38.4562, 0.4414, 0.4877.

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

38.4562, 0.4414, 0.4877

Protanopia

38.3332, 0.4402, 0.4881

Deuteranopia

38.3567, 0.4691, 0.4587



Tritanopia

38.3748, 0.3453, 0.3136

Trichromacy



Original Color

38.4562, 0.4414, 0.4877

Protanomaly

38.3310, 0.4403, 0.4883

Deuteranomaly

38.2153, 0.4598, 0.4692

Tritanomaly

37.4390, 0.3997, 0.3990

Monochromacy



Original Color

38.4562, 0.4414, 0.4877

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.9126, 0.3765, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4562, 0.4414, 0.4877 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(189, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.4562, 0.4414, 0.4877 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(189, 167, 0) }
```

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

```
.border{ border-color:rgb(189, 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(189, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 167,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4562, 0.4414, 0.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 167, 0) }
```

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

```
.background{ background-color: rgb(189,  
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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