

Converting Colors

$Yxy(38.8104, 0.4384, 0.4952)$

Have a look what the booklet for
Yxy(38.8104, 0.4384, 0.4952)
contains.

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Color

Yxy(38.8150, 0.4363, 0.4918)

Conversions

Conversions Part 1

Format	Color
Hex	BAA900
RGB	186, 169, 0
RGB Percent	73%, 66%, 0%
CMY	0.2706, 0.3372, 1.0000
CMYK	0.00, 0.09, 1.00, 0.27
HSL	55°, 100%, 36%
HSV	55°, 100%, 73%
XYZ	34.4347, 38.8150, 5.6747
YIQ	154.8170, 64.3810, -48.9550

Conversions

Conversions Part 2

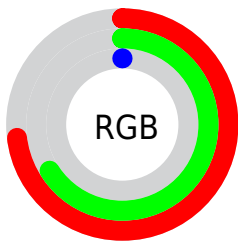
Format	Color
R _Y B	19, 186, 0
Decimal	12232960
CIE Lab	68.62, -8.29, 71.19
CIE LCh	69, 71.666, 96.640
Yxy	38.8150, 0.4363, 0.4918
Android (android.graphics.Color)	4290423040 (0xFFBAA900)
YUV	154.8170, -76.3248, 27.3475
Hunter-Lab	62.3017, -10.3694, 38.2108

Details

The Yxy color **38.8150, 0.4363, 0.4918** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.9446, 0.1517, 0.0660**, and the grayscale version is **33.0164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4400, 0.4200, 0.4673**, and **17.3118, 0.4347, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **38.8170, 0.4363, 0.4918**, and if you desaturate by 10%, it is **39.4984, 0.4318, 0.4891**.

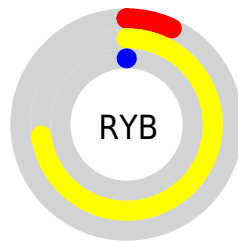
Distribution



Red (73%)

Green (66%)

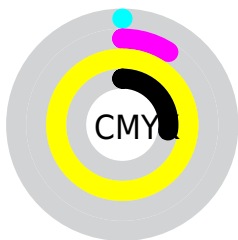
Blue (0%)



Red (7%)

Yellow (73%)

Blue (0%)

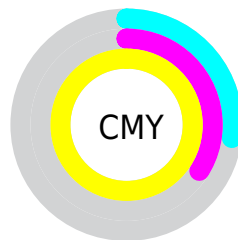


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8150, 0.4363, 0.4918 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 38.8150, 0.4363, 0.4918 by changing the saturation by 10% instead.


 38.8150, 0.4363,
0.4918


 38.8150, 0.4363,
0.4918


341.1033, 0.3824,
0.4160


 26.6158, 0.4448,
0.5061


 73.3556, 0.4200,
0.4672


 17.2849, 0.4523,
0.5210


 96.4659, 0.4128,
0.4569


 10.4378, 0.4605,
0.5395


 123.9819, 0.4063,
0.4479

 5.6902, 0.4544,
0.5456

 156.2882, 0.4005,
0.4399

 2.6576, 0.4447,
0.5553

 193.7691, 0.3952,
0.4329

 0.9557, 0.4243,
0.5757

 236.8090, 0.3905,

 0.0000, 0.0000,

0.4266

0.0000

285.7922, 0.3863,
0.4210

38.8150, 0.4363,
0.4918

38.8150, 0.4363,
0.4918

38.8170, 0.4363,
0.4918

39.4984, 0.4318,
0.4891

40.2316, 0.4251,
0.4829

41.0326, 0.4157,
0.4723

41.9093, 0.4038,
0.4576

42.8687, 0.3900,
0.4395

■ 43.9165, 0.3749,
0.4189

■ 45.0581, 0.3591,
0.3967

■ 46.2985, 0.3432,
0.3738

■ 47.6422, 0.3276,
0.3511

Harmonies

Analogous

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



38.8150, 0.5021, 0.4218



38.8150, 0.4363, 0.4918



38.8150, 0.3448, 0.5275

Triad

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



38.8150, 0.4363, 0.4918



38.8150, 0.1448, 0.2549



38.8150, 0.3536, 0.2262

Complementary

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



38.8150, 0.4363, 0.4918



3.9446, 0.1517, 0.0660

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.



38.8150, 0.2512, 0.1895



38.8150, 0.4363, 0.4918



38.8150, 0.1469, 0.1972

Square

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



38.8150, 0.4363, 0.4918



38.8150, 0.1782, 0.3596



38.8150, 0.1814, 0.1785



38.8150, 0.4589, 0.2828

Rectangle

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



38.8150, 0.4363, 0.4918



38.8150, 0.2806, 0.5054



38.8150, 0.1814, 0.1785



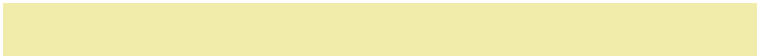
38.8150, 0.3170, 0.2114

Sweetspot

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



38.8170, 0.4363, 0.4918



81.5783, 0.3599, 0.3978



10.4829, 0.6286, 0.3236



17.7679, 0.3667, 0.4073



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.



38.8170, 0.4363, 0.4918



70.1814, 0.4366, 0.4915



38.5295, 0.3511, 0.5594



10.3594, 0.3266, 0.3496



26.1772, 0.4360, 0.4920



0.9640, 0.4312, 0.4958

Inverse Universe

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



3.9446, 0.1517, 0.0660



7.0039, 0.1514, 0.0648



5.0161, 0.1844, 0.0790



8.8478, 0.2984, 0.3076



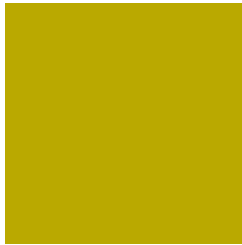
2.7045, 0.1520, 0.0671



0.1397, 0.1593, 0.0935

Previews

White Background



This preview shows how the Yxy color 38.8150, 0.4363, 0.4918 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 38.8150, 0.4363, 0.4918 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 38.8150, 0.4363, 0.4918

Background



This preview shows how black text looks on a background with the Yxy color 38.8150, 0.4363, 0.4918.



This preview shows how white text looks on a background with the Yxy color 38.8150, 0.4363, 0.4918.

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

38.8150, 0.4363, 0.4918

Protanopia

38.8241, 0.4403, 0.4886

Deuteranopia

38.8513, 0.4686, 0.4586



Tritanopia

38.7143, 0.3400, 0.3135

Trichromacy



Original Color

38.8150, 0.4363, 0.4918

Protanomaly

38.6966, 0.4393, 0.4894

Deuteranomaly

38.9226, 0.4573, 0.4709

Tritanomaly

37.7789, 0.3936, 0.3998

Monochromacy



Original Color

38.8150, 0.4363, 0.4918

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1495, 0.3749, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8150, 0.4363, 0.4918 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(186, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 169, 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(186, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 169, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.8150, 0.4363, 0.4918 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(186, 169, 0) }
```

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

```
.border{ border-color:rgb(186, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 169,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8150, 0.4363, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 169, 0) }
```

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

```
.background{ background-color: rgb(186,  
169, 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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