

Converting Colors

$Yxy(39.0007, 0.4011, 0.5079)$

Have a look what the booklet for
Yxy(39.0007, 0.4011, 0.5079)
contains.

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Color

Yxy(38.8159, 0.4008, 0.5079)

Conversions

Conversions Part 1

Format	Color
Hex	A2B01C
RGB	162, 176, 28
RGB Percent	64%, 69%, 11%
CMY	0.3648, 0.3098, 0.8901
CMYK	0.08, 0.00, 0.84, 0.31
HSL	66°, 73%, 40%
HSV	66°, 84%, 69%
XYZ	30.6309, 38.8159, 6.9775
YIQ	154.9420, 39.1640, -48.9960

Conversions

Conversions Part 2

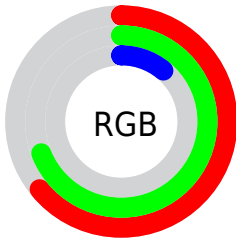
Format	Color
R_{YB}	28, 176, 42
Decimal	10661916
CIE _{Lab}	68.62, -21.93, 65.86
CIE _{LCh}	69, 69.413, 108.417
Yxy	38.8159, 0.4008, 0.5079
Android (android.graphics.Color)	4288851996 (0xFFA2B01C)
YUV	154.9420, -62.5824, 6.1899
Hunter-Lab	62.3024, -21.2700, 36.9715

Details

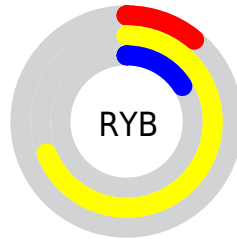
The Yxy color **38.8159, 0.4008, 0.5079** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.4605, 0.1671, 0.0809**, and the grayscale version is **33.0208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0887, 0.3905, 0.4765**, and **17.4795, 0.3948, 0.5247** is the 20% darker color. If you saturate the color by 10%, you get **38.5828, 0.4025, 0.5152**, and if you desaturate by 10%, it is **39.1041, 0.3966, 0.4962**.

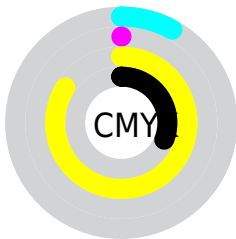
Distribution



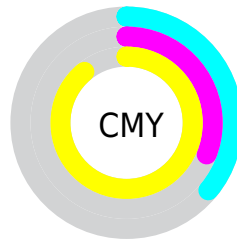
- Red (64%)
- Green (69%)
- Blue (11%)



- Red (11%)
- Yellow (69%)
- Blue (16%)



- Cyan (8%)
- Magenta (0%)
- Yellow (84%)
- Black (31%)





- Cyan (36%)
- Magenta (31%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8159, 0.4008, 0.5079 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 38.8159, 0.4008, 0.5079 by changing the saturation by 10% instead.


 38.8159, 0.4008,
0.5079


 38.8159, 0.4008,
0.5079


341.1071, 0.3641,
0.4186


 26.6165, 0.4057,
0.5275


 73.3570, 0.3903,
0.4769

 17.2854, 0.4089,
0.5502

 96.4675, 0.3854,
0.4646

 10.4382, 0.4136,
0.5835


 123.9839, 0.3809,
0.4542

 5.6905, 0.3980,
0.6020

 156.2905, 0.3769,
0.4451

 2.6578, 0.3711,
0.6289

 193.7717, 0.3732,
0.4372

 0.9558, 0.2799,
0.7201

 236.8120, 0.3698,

 0.0000, 0.0000,

0.4302

0.0000

285.7956, 0.3668,
0.4241

■ 38.8159, 0.4008,
0.5079

■ 38.8159, 0.4008,
0.5079

■ 38.5828, 0.4025,
0.5152

■ 39.1041, 0.3966,
0.4962

■ 38.4582, 0.4028,
0.5183

■ 39.4496, 0.3898,
0.4804

■ 39.8604, 0.3808,
0.4608

■ 40.3420, 0.3699,
0.4383

■ 40.8991, 0.3576,
0.4140

■ 41.5362, 0.3446,
0.3887

■ 42.2574, 0.3312,
0.3634

■ 43.0663, 0.3180,
0.3388

■ 43.9667, 0.3052,
0.3152

Harmonies

Analogous

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



38.8159, 0.4771, 0.4486



38.8159, 0.4008, 0.5079



38.8159, 0.3077, 0.5132

Triad

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



38.8159, 0.4008, 0.5079



38.8159, 0.1458, 0.2300



38.8159, 0.3950, 0.2488

Complementary

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



38.8159, 0.4008, 0.5079



4.4605, 0.1671, 0.0809

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.



38.8159, 0.2893, 0.2042



38.8159, 0.4008, 0.5079



38.8159, 0.1603, 0.1895

Square

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



38.8159, 0.4008, 0.5079



38.8159, 0.1644, 0.3144



38.8159, 0.2073, 0.1831



38.8159, 0.4839, 0.3094

Rectangle

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



38.8159, 0.4008, 0.5079



38.8159, 0.2475, 0.4670



38.8159, 0.2073, 0.1831



38.8159, 0.3590, 0.2317

Sweetspot

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



38.8177, 0.4008, 0.5079



75.1552, 0.3464, 0.3922



10.8574, 0.5913, 0.3399



16.1995, 0.3509, 0.4009



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.8177, 0.4008, 0.5079



69.6853, 0.4025, 0.5186



33.2975, 0.3337, 0.5578



9.8649, 0.3249, 0.3516



28.2269, 0.4030, 0.5182



0.8999, 0.4079, 0.5144

Inverse Universe

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



4.4605, 0.1671, 0.0809



5.8532, 0.1526, 0.0615



7.5678, 0.2361, 0.1172



8.2674, 0.2999, 0.3056



2.3975, 0.1538, 0.0621



0.0880, 0.1685, 0.0702

Previews

White Background



This preview shows how the Yxy color 38.8159, 0.4008, 0.5079 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 38.8159, 0.4008, 0.5079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

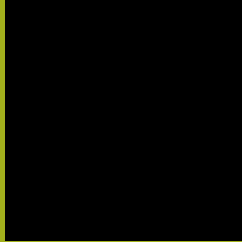
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8159, 0.4008, 0.5079

Background



This preview shows how black text looks on a background with the Yxy color 38.8159, 0.4008, 0.5079.



This preview shows how white text looks on a background with the Yxy color 38.8159, 0.4008, 0.5079.

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

38.8159, 0.4008, 0.5079

Protanopia

38.7712, 0.4349, 0.4827

Deuteranopia

38.6444, 0.4613, 0.4531



Tritanopia

38.7239, 0.3108, 0.3112

Trichromacy



Original Color

38.8159, 0.4008, 0.5079

Protanomaly

38.7887, 0.4227, 0.4916

Deuteranomaly

38.3691, 0.4401, 0.4723

Tritanomaly

37.9814, 0.3543, 0.3940

Monochromacy



Original Color

38.8159, 0.4008, 0.5079

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.5676, 0.3563, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8159, 0.4008, 0.5079 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(162, 176, 28)` looks like.

```
.text, #text, p{  
    color:rgb(162, 176, 28)  
}
```

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(162, 176, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 176, 28) }
```

Border

The CSS property to change the border of an element to Yxy 38.8159, 0.4008, 0.5079 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(162, 176, 28) }
```

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

```
.border{ border-color:rgb(162, 176, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 176, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 176, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 176, 28);  
box-shadow:4px 4px 4px 4px rgb(162, 176,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8159, 0.4008, 0.5079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 176, 28) }
```

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

```
.background{ background-color: rgb(162,  
176, 28) }
```

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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