

Converting Colors

$Yxy(38.8044, 0.3532, 0.4407)$

Have a look what the booklet for
Yxy(38.8044, 0.3532, 0.4407)
contains.

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Color

Yxy(38.7626, 0.3527, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	99B065
RGB	153, 176, 101
RGB Percent	60%, 69%, 40%
CMY	0.3999, 0.3098, 0.6039
CMYK	0.13, 0.00, 0.43, 0.31
HSL	78°, 32%, 54%
HSV	78°, 43%, 69%
XYZ	31.0154, 38.7626, 18.1590
YIQ	160.5730, 10.3670, -28.2010

Conversions

Conversions Part 2

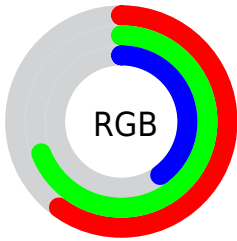
Format	Color
RYB	101, 176, 124
Decimal	10072165
CIELab	68.58, -20.33, 35.74
CIELCh	69, 41.117, 119.639
Yxy	38.7626, 0.3527, 0.4408
Android (android.graphics.Color)	4288262245 (0xFF99B065)
YUV	160.5730, -29.3695, -6.6415
Hunter-Lab	62.2596, -20.0325, 26.2889

Details

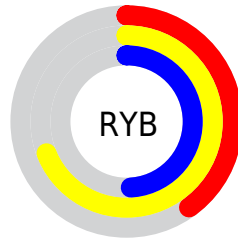
The Yxy color **38.7626, 0.3527, 0.4408** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.7248, 0.2576, 0.2072**, and the grayscale version is **35.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4230, 0.3461, 0.4192**, and **17.1232, 0.3604, 0.4763** is the 20% darker color. If you saturate the color by 10%, you get **37.9426, 0.3600, 0.4670**, and if you desaturate by 10%, it is **39.6836, 0.3441, 0.4136**.

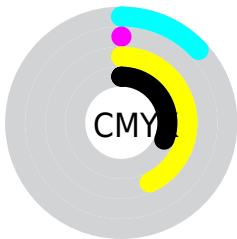
Distribution



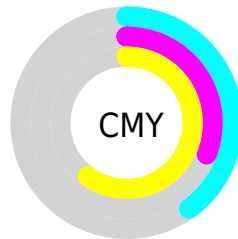
- Red (60%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (49%)



- Cyan (13%)
- Magenta (0%)
- Yellow (43%)
- Black (31%)





- Cyan (40%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7626, 0.3527, 0.4408 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 38.7626, 0.3527, 0.4408 by changing the saturation by 10% instead.


 38.7626, 0.3527,
0.4408


 38.7626, 0.3527,
0.4408


340.8801, 0.3341,
0.3816

 26.5751, 0.3566,
0.4564


 73.2755, 0.3464,
0.4186


 17.2544, 0.3608,
0.4767

 96.3697, 0.3439,
0.4105

 10.4160, 0.3652,
0.5039


 123.8683, 0.3417,
0.4037

 5.6756, 0.3681,
0.5416

 156.1556, 0.3398,
0.3979

 2.6489, 0.3797,
0.6203

193.6160, 0.3381,
0.3929

 0.9513, 0.2993,
0.7007

236.6340, 0.3366,

 0.0000, 0.0000,

0.3887

0.0000

285.5939, 0.3353,
0.3849

■ 38.7626, 0.3527,
0.4408

■ 38.7626, 0.3527,
0.4408

■ 37.9426, 0.3600,
0.4670

■ 39.6836, 0.3441,
0.4136

■ 37.2135, 0.3656,
0.4912

■ 40.7050, 0.3347,
0.3865

■ 36.5712, 0.3691,
0.5121


■ 41.8330, 0.3250,
0.3602

■ 36.0093, 0.3700,
0.5288

■ 43.0715, 0.3152,
0.3352

■ 35.5203, 0.3686,
0.5407


■ 44.4244, 0.3057,
0.3120

 35.1943, 0.3664,
0.5473

 45.8951, 0.2966,
0.2907

 47.4872, 0.2880,
0.2712

 49.2039, 0.2800,
0.2536

 50.7617, 0.2754,
0.2418

Harmonies

Analogous

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



38.7626, 0.4044, 0.4245



38.7626, 0.3527, 0.4408



38.7626, 0.2931, 0.4192

Triad

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



38.7626, 0.3527, 0.4408



38.7626, 0.2049, 0.2571



38.7626, 0.3847, 0.2937

Complementary

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



38.7626, 0.3527, 0.4408



16.7248, 0.2576, 0.2072

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.



38.7626, 0.3237, 0.2578



38.7626, 0.3527, 0.4408



38.7626, 0.2236, 0.2357

Square

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



38.7626, 0.3527, 0.4408



38.7626, 0.2108, 0.3023



38.7626, 0.2651, 0.2370



38.7626, 0.4262, 0.3387

Rectangle

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



38.7626, 0.3527, 0.4408



38.7626, 0.2570, 0.3847



38.7626, 0.2651, 0.2370



38.7626, 0.3654, 0.2804

Sweetspot

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



38.7643, 0.3527, 0.4408



75.7426, 0.3256, 0.3618



24.4597, 0.4062, 0.3626



16.3156, 0.3277, 0.3674



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.



38.7643, 0.3527, 0.4408



68.9196, 0.3596, 0.4652



35.7021, 0.3188, 0.4539



9.7735, 0.3218, 0.3518



25.8555, 0.3670, 0.5468



0.8425, 0.3822, 0.5347

Inverse Universe

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



16.7248, 0.2576, 0.2072



23.6980, 0.2423, 0.1777



20.0189, 0.2997, 0.2207



8.3522, 0.3031, 0.3058



2.9008, 0.1722, 0.0723



0.1228, 0.2051, 0.0904

Previews

White Background



This preview shows how the Yxy color 38.7626, 0.3527, 0.4408 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 38.7626, 0.3527, 0.4408 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 38.7626, 0.3527, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 38.7626, 0.3527, 0.4408.



This preview shows how white text looks on a background with the Yxy color 38.7626, 0.3527, 0.4408.

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

38.7626, 0.3527, 0.4408

Protanopia

38.5866, 0.3895, 0.4228

Deuteranopia

38.3728, 0.4078, 0.3982



Tritanopia

38.7193, 0.2983, 0.3108

Trichromacy



Original Color

38.7626, 0.3527, 0.4408

Protanomaly

38.4210, 0.3758, 0.4292

Deuteranomaly

38.1001, 0.3866, 0.4124

Tritanomaly

38.3547, 0.3187, 0.3568

Monochromacy



Original Color

38.7626, 0.3527, 0.4408

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4056, 0.3287, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7626, 0.3527, 0.4408 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(153, 176, 101)` looks like.

```
.text, #text, p{  
    color:rgb(153, 176, 101)  
}
```

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(153, 176, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 176, 101) }
```

Border

The CSS property to change the border of an element to Yxy 38.7626, 0.3527, 0.4408 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(153, 176, 101) }
```

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

```
.border{ border-color:rgb(153, 176, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 176, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 176, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 176, 101);  
box-shadow:4px 4px 4px 4px rgb(153, 176,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7626, 0.3527, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 176, 101) }
```

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

```
.background{ background-color: rgb(153,  
176, 101) }
```

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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