

Converting Colors

$Y_{xy}(36.8737, 0.3783, 0.4862)$

Have a look what the booklet for
Yxy(36.8737, 0.3783, 0.4862)
contains.

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Color

Yxy(36.8253, 0.3777, 0.4863)

Conversions

Conversions Part 1

Format	Color
Hex	97AD3F
RGB	151, 173, 63
RGB Percent	59%, 68%, 25%
CMY	0.4079, 0.3215, 0.7530
CMYK	0.13, 0.00, 0.64, 0.32
HSL	72°, 47%, 46%
HSV	72°, 64%, 68%
XYZ	28.6015, 36.8253, 10.2987
YIQ	153.8820, 22.1980, -38.8740

Conversions

Conversions Part 2

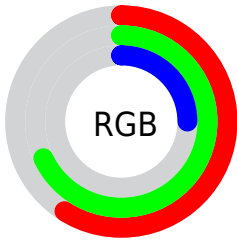
Format	Color
RYB	63, 173, 85
Decimal	9940287
CIELab	67.15, -23.33, 52.23
CIELCh	67, 57.203, 114.068
Yxy	36.8253, 0.3777, 0.4863
Android (android.graphics.Color)	4288130367 (0xFF97AD3F)
YUV	153.8820, -44.8048, -2.5275
Hunter-Lab	60.6839, -22.0661, 32.4166

Details

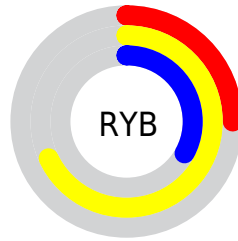
The Yxy color **36.8253, 0.3777, 0.4863** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.5001, 0.2105, 0.1370**, and the grayscale version is **32.4524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0132, 0.3684, 0.4555**, and **16.2161, 0.3859, 0.5318** is the 20% darker color. If you saturate the color by 10%, you get **36.3367, 0.3827, 0.5046**, and if you desaturate by 10%, it is **37.3877, 0.3704, 0.4645**.

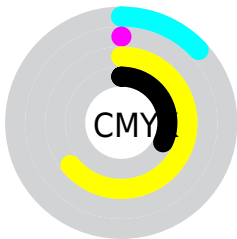
Distribution



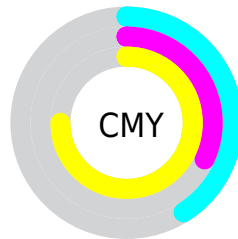
- Red (59%)
- Green (68%)
- Blue (25%)



- Red (25%)
- Yellow (68%)
- Blue (33%)



- Cyan (13%)
- Magenta (0%)
- Yellow (64%)
- Black (32%)





- Cyan (41%)
- Magenta (32%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8253, 0.3777, 0.4863 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 36.8253, 0.3777, 0.4863 by changing the saturation by 10% instead.


 36.8253, 0.3777,
0.4863

 36.8253, 0.3777,
0.4863


332.5535, 0.3490,
0.4039


 25.0723, 0.3824,
0.5067

 70.3040, 0.3688,
0.4562


 16.1309, 0.3864,
0.5320


 92.7985, 0.3650,
0.4448


 9.6168, 0.3881,
0.5635


 119.6422, 0.3615,
0.4353

 5.1457, 0.3887,
0.6113

 151.2196, 0.3585,
0.4271

 2.3330, 0.3576,
0.6424

 187.9150, 0.3557,
0.4201

 0.7911, 0.1874,
0.8126

230.1129, 0.3533,

 0.0000, 0.0000,

0.4140

0.0000

278.1976, 0.3510,
0.4087

■ 36.8253, 0.3777,
0.4863

■ 36.8253, 0.3777,
0.4863

■ 36.3367, 0.3827,
0.5046

■ 37.3877, 0.3704,
0.4645

■ 35.9110, 0.3853,
0.5187

■ 38.0241, 0.3613,
0.4402

■ 35.5426, 0.3853,
0.5283

■ 38.7410, 0.3510,
0.4144

■ 35.3267, 0.3845,
0.5329

■ 39.5425, 0.3398,
0.3882

■ 40.4327, 0.3283,
0.3624

■ 41.4152, 0.3168,
0.3376

■ 42.4935, 0.3056,
0.3142

■ 43.6707, 0.2950,
0.2925

■ 44.9502, 0.2850,
0.2725

Harmonies

Analogous

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



36.8253, 0.4462, 0.4470



36.8253, 0.3777, 0.4863



36.8253, 0.2965, 0.4725

Triad

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



36.8253, 0.3777, 0.4863



36.8253, 0.1673, 0.2364



36.8253, 0.3988, 0.2697

Complementary

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



36.8253, 0.3777, 0.4863



8.5001, 0.2105, 0.1370

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.



36.8253, 0.3100, 0.2265



36.8253, 0.3777, 0.4863



36.8253, 0.1856, 0.2052

Square

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



36.8253, 0.3777, 0.4863



36.8253, 0.1793, 0.3027



36.8253, 0.2337, 0.2035



36.8253, 0.4659, 0.3259

Rectangle

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



36.8253, 0.3777, 0.4863



36.8253, 0.2458, 0.4264



36.8253, 0.2337, 0.2035



36.8253, 0.3697, 0.2534

Sweetspot

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



36.8270, 0.3777, 0.4863



71.4733, 0.3349, 0.3771



15.7374, 0.4889, 0.3599



15.4389, 0.3381, 0.3843



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.8270, 0.3777, 0.4863



64.7746, 0.3840, 0.5104



32.7343, 0.3263, 0.5169



9.2481, 0.3233, 0.3516



25.9746, 0.3849, 0.5326



0.7429, 0.3960, 0.5238

Inverse Universe

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



8.5001, 0.2105, 0.1370



10.1021, 0.1871, 0.1003



12.1446, 0.2754, 0.1661



7.8315, 0.3015, 0.3058



2.4941, 0.1609, 0.0660



0.0913, 0.1894, 0.0817

Previews

White Background



This preview shows how the Yxy color 36.8253, 0.3777, 0.4863 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 36.8253, 0.3777, 0.4863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

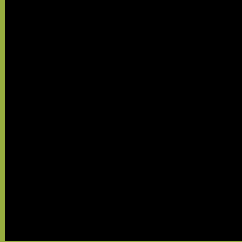
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8253, 0.3777, 0.4863

Background



This preview shows how black text looks on a background with the Yxy color 36.8253, 0.3777, 0.4863.



This preview shows how white text looks on a background with the Yxy color 36.8253, 0.3777, 0.4863.

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

36.8253, 0.3777, 0.4863

Protanopia

36.4657, 0.4191, 0.4602

Deuteranopia

36.4289, 0.4408, 0.4322



Tritanopia

36.7223, 0.3024, 0.3106

Trichromacy



Original Color

36.8253, 0.3777, 0.4863

Protanomaly

36.6323, 0.4037, 0.4702

Deuteranomaly

36.3132, 0.4166, 0.4520

Tritanomaly

36.3646, 0.3341, 0.3769

Monochromacy



Original Color

36.8253, 0.3777, 0.4863

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6425, 0.3410, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8253, 0.3777, 0.4863 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(151, 173, 63)` looks like.

```
.text, #text, p{  
    color:rgb(151, 173, 63)  
}
```

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(151, 173, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 173, 63) }
```

Border

The CSS property to change the border of an element to Yxy 36.8253, 0.3777, 0.4863 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(151, 173, 63) }
```

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

```
.border{ border-color:rgb(151, 173, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 173, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 173, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 173, 63);  
box-shadow:4px 4px 4px 4px rgb(151, 173,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8253, 0.3777, 0.4863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 173, 63) }
```

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

```
.background{ background-color: rgb(151,  
173, 63) }
```

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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