

Converting Colors

$Y_{xy}(33.1531, 0.3784, 0.4761)$

Have a look what the booklet for
Yxy(33.1531, 0.3784, 0.4761)
contains.

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Color

Yxy(33.1473, 0.3777, 0.4762)

Conversions

Conversions Part 1

Format	Color
Hex	93A442
RGB	147, 164, 66
RGB Percent	58%, 64%, 26%
CMY	0.4236, 0.3568, 0.7411
CMYK	0.10, 0.00, 0.60, 0.36
HSL	70°, 43%, 45%
HSV	70°, 60%, 64%
XYZ	26.2909, 33.1473, 10.1697
YIQ	147.7450, 21.3260, -34.0820

Conversions

Conversions Part 2

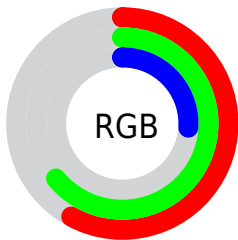
Format	Color
RYB	66, 164, 83
Decimal	9675842
CIELab	64.28, -20.25, 47.67
CIELCh	64, 51.795, 113.019
Yxy	33.1473, 0.3777, 0.4762
Android (android.graphics.Color)	4287865922 (0xFF93A442)
YUV	147.7450, -40.3003, -0.6534
Hunter-Lab	57.5737, -19.2423, 29.8287

Details

The Yxy color **33.1473, 0.3777, 0.4762** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.4203, 0.2154, 0.1484**, and the grayscale version is **29.6680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6676, 0.3678, 0.4469**, and **13.9877, 0.3895, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **32.7222, 0.3841, 0.4954**, and if you desaturate by 10%, it is **33.6374, 0.3692, 0.4538**.

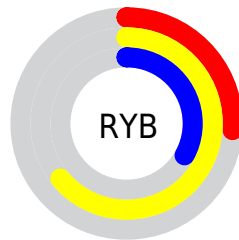
Distribution



Red (58%)

Green (64%)

Blue (26%)



Red (26%)

Yellow (64%)

Blue (33%)

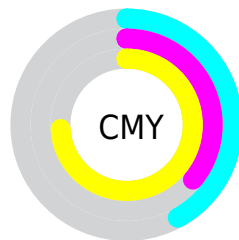


Cyan (10%)

Magenta (0%)

Yellow (60%)

Black (36%)



Cyan (42%)


Magenta (36%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1473, 0.3777, 0.4762 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 33.1473, 0.3777, 0.4762 by changing the saturation by 10% instead.


 33.1473, 0.3777,
0.4762


 33.1473, 0.3777,
0.4762

316.3130, 0.3477,
0.3978


 22.2393, 0.3832,
0.4962


 64.6054, 0.3680,
0.4471

 14.0328, 0.3885,
0.5214


 85.9244, 0.3639,
0.4363

 8.1435, 0.3920,
0.5536


 111.4824, 0.3603,
0.4272

 4.1869, 0.3958,
0.6042

 141.6639, 0.3571,
0.4195

 1.7787, 0.3643,
0.6357

 176.8534, 0.3543,
0.4129

 0.4738, 0.0000,
1.0000

217.4351, 0.3519,

 0.0000, 0.0000,

0.4072

0.0000

263.7935, 0.3496,
0.4022

■ 33.1473, 0.3777,
0.4762

■ 33.1473, 0.3777,
0.4762

■ 32.7222, 0.3841,
0.4954

■ 33.6374, 0.3692,
0.4538

■ 32.3527, 0.3882,
0.5107

■ 34.1923, 0.3591,
0.4293

■ 32.0344, 0.3897,
0.5216

■ 34.8175, 0.3479,
0.4037

■ 31.7547, 0.3893,
0.5290

■ 35.5166, 0.3361,
0.3779

■ 31.7477, 0.3892,
0.5291

■ 36.2928, 0.3242,
0.3526

■ 37.1495, 0.3124,
0.3284

■ 38.0894, 0.3011,
0.3057

■ 39.1154, 0.2904,
0.2846

■ 40.2300, 0.2804,
0.2653

Harmonies

Analogous

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



33.1473, 0.4413, 0.4398



33.1473, 0.3777, 0.4762



33.1473, 0.3010, 0.4640

Triad

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



33.1473, 0.3777, 0.4762



33.1473, 0.1746, 0.2438



33.1473, 0.3909, 0.2714

Complementary

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



33.1473, 0.3777, 0.4762



8.4203, 0.2154, 0.1484

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.



33.1473, 0.3076, 0.2306



33.1473, 0.3777, 0.4762



33.1473, 0.1911, 0.2124

Square

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



33.1473, 0.3777, 0.4762



33.1473, 0.1875, 0.3077



33.1473, 0.2362, 0.2095



33.1473, 0.4549, 0.3250

Rectangle

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



33.1473, 0.3777, 0.4762



33.1473, 0.2526, 0.4224



33.1473, 0.2362, 0.2095



33.1473, 0.3635, 0.2560

Sweetspot

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



33.1488, 0.3777, 0.4762



64.6533, 0.3344, 0.3743



14.3747, 0.4760, 0.3538



14.0532, 0.3377, 0.3814



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.1488, 0.3777, 0.4762



59.1385, 0.3859, 0.5014



29.5813, 0.3295, 0.5031



8.1748, 0.3236, 0.3514



24.3590, 0.3895, 0.5289



0.5272, 0.4011, 0.5198

Inverse Universe

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



8.4203, 0.2154, 0.1484



10.1089, 0.1911, 0.1092



11.4325, 0.2742, 0.1735



6.9163, 0.3012, 0.3060



2.2649, 0.1589, 0.0649



0.0632, 0.1881, 0.0810

Previews

White Background



This preview shows how the Yxy color 33.1473, 0.3777, 0.4762 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 33.1473, 0.3777, 0.4762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

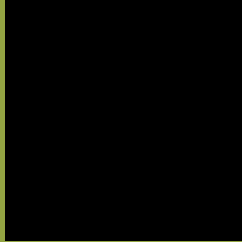
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1473, 0.3777, 0.4762

Background



This preview shows how black text looks on a background with the Yxy color 33.1473, 0.3777, 0.4762.



This preview shows how white text looks on a background with the Yxy color 33.1473, 0.3777, 0.4762.

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

33.1473, 0.3777, 0.4762

Protanopia

33.0313, 0.4132, 0.4542

Deuteranopia

32.8412, 0.4355, 0.4274



Tritanopia

33.1335, 0.3057, 0.3113

Trichromacy



Original Color

33.1473, 0.3777, 0.4762

Protanomaly

33.0704, 0.4003, 0.4618

Deuteranomaly

32.7710, 0.4146, 0.4449

Tritanomaly

32.9355, 0.3345, 0.3724

Monochromacy



Original Color

33.1473, 0.3777, 0.4762

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.7151, 0.3405, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1473, 0.3777, 0.4762 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(147, 164, 66)` looks like.

```
.text, #text, p{  
    color:rgb(147, 164, 66)  
}
```

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(147, 164, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 164, 66) }
```

Border

The CSS property to change the border of an element to Yxy 33.1473, 0.3777, 0.4762 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(147, 164, 66) }
```

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

```
.border{ border-color:rgb(147, 164, 66) }
```

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

Here you see how a box with a 4 pixel rgb(147, 164, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 164, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 164, 66);  
box-shadow:4px 4px 4px 4px rgb(147, 164,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1473, 0.3777, 0.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 164, 66) }
```

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

```
.background{ background-color: rgb(147,  
164, 66) }
```

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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