

Converting Colors

$Y_{xy}(33.8173, 0.3375, 0.4640)$

Have a look what the booklet for
Yxy(33.8173, 0.3375, 0.4640)
contains.

Yxy(33.8140, 0.3375, 0.4640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.8140, 0.3375, 0.4640)

Conversions

Conversions Part 1

Format	Color
Hex	7DAA58
RGB	125, 170, 88
RGB Percent	49%, 67%, 35%
CMY	0.5098, 0.3333, 0.6548
CMYK	0.26, 0.00, 0.48, 0.33
HSL	93°, 33%, 51%
HSV	93°, 48%, 67%
XYZ	24.5953, 33.8140, 14.4657
YIQ	147.1970, -0.4980, -35.0420

Conversions

Conversions Part 2

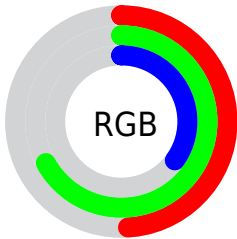
Format	Color
RYB	88, 170, 133
Decimal	8235608
CIELab	64.81, -29.72, 37.28
CIELCh	65, 47.678, 128.558
Yxy	33.8140, 0.3375, 0.4640
Android (android.graphics.Color)	4286425688 (0xFF7DAA58)
YUV	147.1970, -29.1841, -19.4668
Hunter-Lab	58.1498, -26.2630, 25.9555

Details

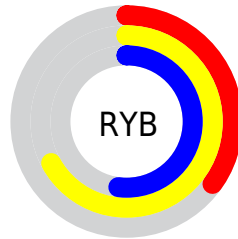
The Yxy color **33.8140, 0.3375, 0.4640** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.8710, 0.2718, 0.1980**, and the grayscale version is **29.3887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8699, 0.3340, 0.4355**, and **14.5198, 0.3386, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **32.8962, 0.3400, 0.4933**, and if you desaturate by 10%, it is **34.8664, 0.3336, 0.4339**.

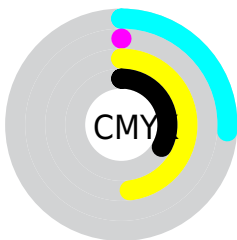
Distribution



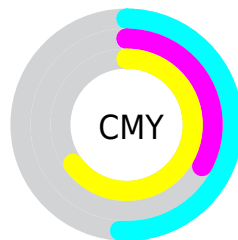
- Red (49%)
- Green (67%)
- Blue (35%)



- Red (35%)
- Yellow (67%)
- Blue (52%)



- Cyan (26%)
- Magenta (0%)
- Yellow (48%)
- Black (33%)





- Cyan (51%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8140, 0.3375, 0.4640 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 33.8140, 0.3375, 0.4640 by changing the saturation by 10% instead.


 33.8140, 0.3375,
0.4640


 33.8140, 0.3375,
0.4640


319.3019, 0.3274,
0.3898

 22.7507, 0.3387,
0.4845


 65.6443, 0.3347,
0.4355

 14.4096, 0.3391,
0.5118


 87.1802, 0.3333,
0.4252


 8.4061, 0.3372,
0.5494


 112.9757, 0.3321,
0.4168

 4.3559, 0.3339,
0.6120

 143.4152, 0.3310,
0.4096

 1.8746, 0.3078,
0.6922

 178.8833, 0.3300,
0.4036

 0.5330, 0.0000,
1.0000

219.7641, 0.3290,

 0.0000, 0.0000,

0.3983

0.0000

266.4422, 0.3282,
0.3938

■ 33.8140, 0.3375,
0.4640

■ 33.8140, 0.3375,
0.4640

■ 32.8962, 0.3400,
0.4933

■ 34.8664, 0.3336,
0.4339

■ 32.1022, 0.3407,
0.5202

■ 36.0548, 0.3288,
0.4041

■ 31.4263, 0.3395,
0.5432


■ 37.3864, 0.3233,
0.3757


■ 30.8603, 0.3363,
0.5611

■ 38.8662, 0.3175,
0.3492


■ 30.3917, 0.3315,
0.5736

■ 40.4992, 0.3117,
0.3249

 30.3157, 0.3306,
0.5757

 42.2899, 0.3059,
0.3028

 44.2429, 0.3004,
0.2831

 46.3624, 0.2951,
0.2654

 48.6524, 0.2902,
0.2497

Harmonies

Analogous

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



33.8140, 0.4045, 0.4527



33.8140, 0.3375, 0.4640



33.8140, 0.2675, 0.4236

Triad

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



33.8140, 0.3375, 0.4640



33.8140, 0.1890, 0.2320



33.8140, 0.4187, 0.3010

Complementary

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



33.8140, 0.3375, 0.4640



14.8710, 0.2718, 0.1980

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.



33.8140, 0.3481, 0.2556



33.8140, 0.3375, 0.4640



33.8140, 0.2186, 0.2164

Square

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



33.8140, 0.3375, 0.4640



33.8140, 0.1869, 0.2761



33.8140, 0.2741, 0.2256



33.8140, 0.4573, 0.3547

Rectangle

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



33.8140, 0.3375, 0.4640



33.8140, 0.2287, 0.3742



33.8140, 0.2741, 0.2256



33.8140, 0.3974, 0.2846

Sweetspot

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



33.8155, 0.3375, 0.4640



68.8670, 0.3210, 0.3649



25.6833, 0.4083, 0.3949



15.2343, 0.3222, 0.3706



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.



33.8155, 0.3375, 0.4640



59.5589, 0.3401, 0.4956



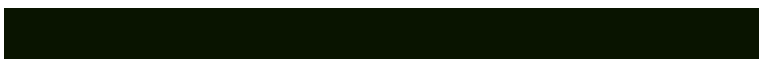
31.5762, 0.3039, 0.4733



8.5673, 0.3181, 0.3519



22.3326, 0.3314, 0.5750



0.5739, 0.3590, 0.5531

Inverse Universe

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



14.8710, 0.2718, 0.1980



20.9953, 0.2595, 0.1684



18.3280, 0.3215, 0.2177



7.4958, 0.3069, 0.3063



3.8913, 0.2138, 0.0951



0.1244, 0.2492, 0.1146

Previews

White Background



This preview shows how the Yxy color 33.8140, 0.3375, 0.4640 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 33.8140, 0.3375, 0.4640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

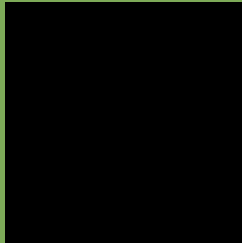
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8140, 0.3375, 0.4640

Background



This preview shows how black text looks on a background with the Yxy color 33.8140, 0.3375, 0.4640.



This preview shows how white text looks on a background with the Yxy color 33.8140, 0.3375, 0.4640.

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

33.8140, 0.3375, 0.4640

Protanopia

33.6227, 0.3980, 0.4337

Deuteranopia

33.5502, 0.4125, 0.4057



Tritanopia

33.5620, 0.2818, 0.3092

Trichromacy



Original Color

33.8140, 0.3375, 0.4640

Protanomaly

33.5645, 0.3749, 0.4450

Deuteranomaly

32.9763, 0.3836, 0.4263

Tritanomaly

33.4905, 0.3028, 0.3644

Monochromacy



Original Color

33.8140, 0.3375, 0.4640

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.4380, 0.3234, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8140, 0.3375, 0.4640 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(125, 170, 88)` looks like.

```
.text, #text, p{  
    color:rgb(125, 170, 88)  
}
```

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(125, 170, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 170, 88) }
```

Border

The CSS property to change the border of an element to Yxy 33.8140, 0.3375, 0.4640 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(125, 170, 88) }
```

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

```
.border{ border-color:rgb(125, 170, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 170, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 170, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 170, 88);  
box-shadow:4px 4px 4px 4px rgb(125, 170,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8140, 0.3375, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 170, 88) }
```

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

```
.background{ background-color: rgb(125,  
170, 88) }
```

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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