

Converting Colors

$Yxy(47.1658, 0.3370, 0.4310)$

Have a look what the booklet for
Yxy(47.1658, 0.3370, 0.4310)
contains.

Yxy(47.2331, 0.3370, 0.4320)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2331, 0.3370, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	9EC279
RGB	158, 194, 121
RGB Percent	62%, 76%, 47%
CMY	0.3803, 0.2392, 0.5256
CMYK	0.19, 0.00, 0.38, 0.24
HSL	90°, 37%, 62%
HSV	90°, 38%, 76%
XYZ	36.8462, 47.2331, 25.2566
YIQ	174.9140, 1.9770, -30.3350

Conversions

Conversions Part 2

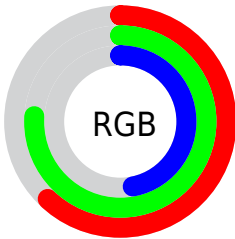
Format	Color
RYB	121, 194, 157
Decimal	10404473
CIELab	74.34, -24.81, 32.87
CIELCh	74, 41.185, 127.050
Yxy	47.2331, 0.3370, 0.4320
Android (android.graphics.Color)	4288594553 (0xFF9EC279)
YUV	174.9140, -26.5796, -14.8336
Hunter-Lab	68.7263, -24.5721, 26.3197

Details

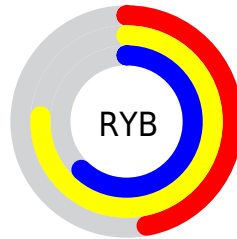
The Yxy color **47.2331, 0.3370, 0.4320** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.7279, 0.2785, 0.2260**, and the grayscale version is **42.9646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3465, 0.3339, 0.4127**, and **22.2144, 0.3408, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **45.8741, 0.3418, 0.4617**, and if you desaturate by 10%, it is **48.7673, 0.3311, 0.4026**.

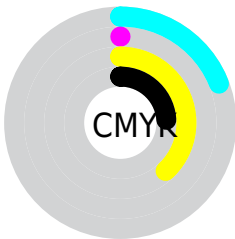
Distribution



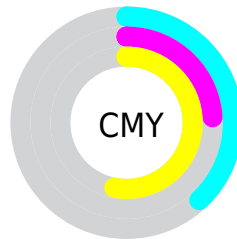
- Red (62%)
- Green (76%)
- Blue (47%)



- Red (47%)
- Yellow (76%)
- Blue (62%)



- Cyan (19%)
- Magenta (0%)
- Yellow (38%)
- Black (24%)





- Cyan (38%)
- Magenta (24%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2331, 0.3370, 0.4320 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 47.2331, 0.3370, 0.4320 by changing the saturation by 10% instead.


 47.2331, 0.3370,
0.4320

 47.2331, 0.3370,
0.4320


375.7442, 0.3265,
0.3786

 33.2200, 0.3389,
0.4457


 86.0615, 0.3337,
0.4123

 22.2950, 0.3410,
0.4635


 111.6455, 0.3323,
0.4049

 14.0738, 0.3429,
0.4873


 141.8553, 0.3310,
0.3988

 8.1720, 0.3436,
0.5205

177.0752, 0.3299,
0.3936

 4.2052, 0.3422,
0.5714

217.6896, 0.3289,
0.3891

 1.7890, 0.3358,
0.6642

264.0830, 0.3280,

 0.4803, 0.0000,

0.3851

1.0000

316.6398, 0.3272,
0.3817

■ 0.0000, 0.0000,
0.0000

■ 47.2331, 0.3370,
0.4320

■ 47.2331, 0.3370,
0.4320

■ 45.8741, 0.3418,
0.4617

■ 48.7673, 0.3311,
0.4026

■ 44.6767, 0.3452,
0.4903

■ 50.4774, 0.3247,
0.3743

■ 43.6348, 0.3467,
0.5165


■ 52.3721, 0.3179,
0.3478


■ 42.7392, 0.3461,
0.5388


■ 54.4574, 0.3111,
0.3234

■ 41.9797, 0.3433,
0.5560

■ 56.7393, 0.3045,
0.3013


 41.3419, 0.3386,
0.5679

 59.2231, 0.2981,
0.2813

 41.2039, 0.3374,
0.5703

 61.7993, 0.2933,
0.2651

 63.3779, 0.3003,
0.2664

 65.0440, 0.3073,
0.2677

Harmonies

Analogous

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



47.2331, 0.3888, 0.4254



47.2331, 0.3370, 0.4320



47.2331, 0.2813, 0.4025

Triad

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



47.2331, 0.3370, 0.4320



47.2331, 0.2131, 0.2544



47.2331, 0.3923, 0.3059

Complementary

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



47.2331, 0.3370, 0.4320



24.7279, 0.2785, 0.2260

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.



47.2331, 0.3379, 0.2690



47.2331, 0.3370, 0.4320



47.2331, 0.2364, 0.2393

Square

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



47.2331, 0.3370, 0.4320



47.2331, 0.2129, 0.2919



47.2331, 0.2805, 0.2452



47.2331, 0.4239, 0.3498

Rectangle

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



47.2331, 0.3370, 0.4320



47.2331, 0.2495, 0.3670



47.2331, 0.2805, 0.2452



47.2331, 0.3758, 0.2925

Sweetspot

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



47.2352, 0.3370, 0.4320



93.6332, 0.3203, 0.3570



36.7177, 0.3858, 0.3765



20.3999, 0.3212, 0.3606



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.2352, 0.3370, 0.4320



83.5643, 0.3410, 0.4560



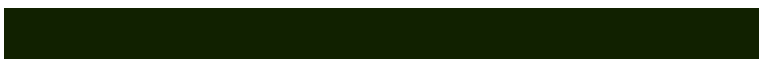
44.1153, 0.3083, 0.4417



11.5043, 0.3191, 0.3523



27.1394, 0.3383, 0.5696



1.2136, 0.3555, 0.5559

Inverse Universe

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



24.7279, 0.2785, 0.2260



37.0551, 0.2689, 0.2021



28.8735, 0.3157, 0.2367



9.9861, 0.3059, 0.3057



4.2293, 0.2019, 0.0886



0.2237, 0.2268, 0.1023

Previews

White Background



This preview shows how the Yxy color 47.2331, 0.3370, 0.4320 looks on a white background.

Color Contrast Check

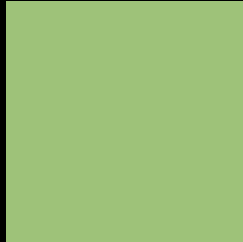
Large Text (above 18pt) WCAG AA × Fail

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 47.2331, 0.3370, 0.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

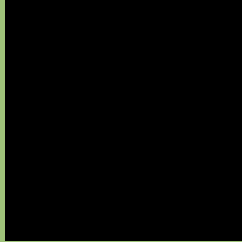
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2331, 0.3370, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 47.2331, 0.3370, 0.4320.



This preview shows how white text looks on a background with the Yxy color 47.2331, 0.3370, 0.4320.

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

47.2331, 0.3370, 0.4320

Protanopia

46.8590, 0.3824, 0.4126

Deuteranopia

46.6582, 0.3969, 0.3878



Tritanopia

47.2565, 0.2894, 0.3107

Trichromacy



Original Color

47.2331, 0.3370, 0.4320

Protanomaly

46.6162, 0.3650, 0.4192

Deuteranomaly

46.2387, 0.3736, 0.4024

Tritanomaly

46.9060, 0.3067, 0.3522

Monochromacy



Original Color

47.2331, 0.3370, 0.4320

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.2575, 0.3230, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2331, 0.3370, 0.4320 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(158, 194, 121)` looks like.

```
.text, #text, p{  
    color:rgb(158, 194, 121)  
}
```

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(158, 194, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 194, 121) }
```

Border

The CSS property to change the border of an element to Yxy 47.2331, 0.3370, 0.4320 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(158, 194, 121) }
```

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

```
.border{ border-color:rgb(158, 194, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 194, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 194, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 194, 121); box-shadow:4px 4px 4px 4px rgb(158, 194, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2331, 0.3370, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 194, 121) }
```

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

```
.background{ background-color: rgb(158,  
194, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor