

Converting Colors

Yxy(41.3772, 0.3148, 0.4340)

Have a look what the booklet for
Yxy(41.3772, 0.3148, 0.4340)
contains.

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Color

Yxy(41.4618, 0.3147, 0.4349)

Conversions

Conversions Part 1

Format	Color
Hex	80BB77
RGB	128, 187, 119
RGB Percent	50%, 73%, 47%
CMY	0.4980, 0.2667, 0.5334
CMYK	0.32, 0.00, 0.36, 0.27
HSL	112°, 33%, 60%
HSV	112°, 36%, 73%
XYZ	30.0024, 41.4618, 23.8722
YIQ	161.6070, -13.3360, -33.6560

Conversions

Conversions Part 2

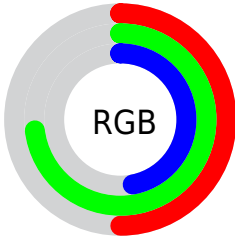
Format	Color
RYB	119, 187, 178
Decimal	8436599
CIELab	70.50, -32.40, 28.54
CIELCh	70, 43.172, 138.624
Yxy	41.4618, 0.3147, 0.4349
Android (android.graphics.Color)	4286626679 (0xFF80BB77)
YUV	161.6070, -21.0053, -29.4733
Hunter-Lab	64.3908, -29.5134, 23.0924

Details

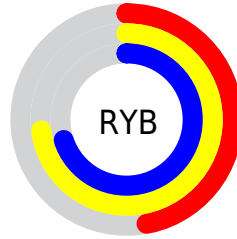
The Yxy color **41.4618, 0.3147, 0.4349** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.2447, 0.3071, 0.2376**, and the grayscale version is **36.0436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7472, 0.3156, 0.4136**, and **18.7538, 0.3120, 0.4690** is the 20% darker color. If you saturate the color by 10%, you get **39.8985, 0.3144, 0.4691**, and if you desaturate by 10%, it is **43.3182, 0.3146, 0.4022**.

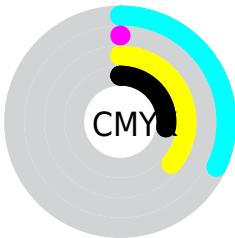
Distribution



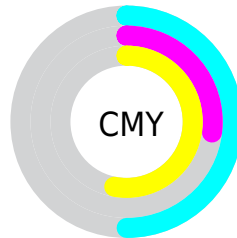
- Red (50%)
- Green (73%)
- Blue (47%)



- Red (47%)
- Yellow (73%)
- Blue (70%)



- Cyan (32%)
- Magenta (0%)
- Yellow (36%)
- Black (27%)




- Cyan (50%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4618, 0.3147, 0.4349 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 41.4618, 0.3147, 0.4349 by changing the saturation by 10% instead.

 41.4618, 0.3147,
0.4349

 41.4618, 0.3147,
0.4349

352.2470, 0.3154,
0.3781


 28.6801, 0.3138,
0.4503


 77.3844, 0.3155,
0.4134

 18.8390, 0.3122,
0.4707


 101.2941, 0.3156,
0.4056

 11.5540, 0.3090,
0.4989


 129.6820, 0.3156,
0.3991

 6.4407, 0.3026,
0.5403

162.9324, 0.3156,
0.3936

 3.1149, 0.2922,
0.6140

201.4297, 0.3156,
0.3889

 1.1920, 0.2084,
0.7916

245.5583, 0.3156,

 0.0552, 0.0000,

0.3848


1.0000


295.7026, 0.3155,
0.3813


 0.0000, 0.0000,
0.0000

 41.4618, 0.3147,
0.4349

 41.4618, 0.3147,
0.4349


 39.8985, 0.3144,
0.4691


 43.3182, 0.3146,
0.4022


 38.6082, 0.3134,
0.5030


 45.4761, 0.3140,
0.3720


 37.5766, 0.3119,
0.5347


 47.9500, 0.3133,
0.3447


 36.7860, 0.3097,
0.5616


 50.7520, 0.3124,
0.3206

 36.2163, 0.3071,
0.5816

 53.8935, 0.3114,
0.2994

 35.8432, 0.3043,
0.5939

 57.3855, 0.3103,
0.2810

 35.7460, 0.3035,
0.5972

 61.2383, 0.3093,
0.2650

 64.0222, 0.3158,
0.2624

Harmonies

Analogous

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



41.4618, 0.3748, 0.4415



41.4618, 0.3147, 0.4349



41.4618, 0.2572, 0.3884

Triad

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



41.4618, 0.3147, 0.4349



41.4618, 0.2116, 0.2386



41.4618, 0.4173, 0.3212

Complementary

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



41.4618, 0.3147, 0.4349



26.2447, 0.3071, 0.2376

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.



41.4618, 0.3647, 0.2779



41.4618, 0.3147, 0.4349



41.4618, 0.2457, 0.2319

Square

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



41.4618, 0.3147, 0.4349



41.4618, 0.2016, 0.2694



41.4618, 0.3005, 0.2462



41.4618, 0.4379, 0.3693

Rectangle

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



41.4618, 0.3147, 0.4349



41.4618, 0.2278, 0.3452



41.4618, 0.3005, 0.2462



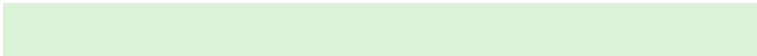
41.4618, 0.4025, 0.3059

Sweetspot

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



41.4636, 0.3147, 0.4349



83.6712, 0.3137, 0.3575



43.7123, 0.3705, 0.4076



18.2939, 0.3138, 0.3612



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.4636, 0.3147, 0.4349



71.8844, 0.3145, 0.4634



41.4753, 0.2906, 0.3963



10.7086, 0.3135, 0.3526



24.6467, 0.3040, 0.5969



0.9854, 0.3161, 0.5872

Inverse Universe

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



26.2447, 0.3071, 0.2376



40.4536, 0.3052, 0.2171



26.3688, 0.3447, 0.2704



9.6305, 0.3117, 0.3062



7.8035, 0.2881, 0.1361



0.3237, 0.2964, 0.1407

Previews

White Background



This preview shows how the Yxy color 41.4618, 0.3147, 0.4349 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 41.4618, 0.3147, 0.4349 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 41.4618, 0.3147, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 41.4618, 0.3147, 0.4349.



This preview shows how white text looks on a background with the Yxy color 41.4618, 0.3147, 0.4349.

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

41.4618, 0.3147, 0.4349

Protanopia

41.1364, 0.3773, 0.4086

Deuteranopia

40.8435, 0.3893, 0.3803



Tritanopia

41.3093, 0.2725, 0.3091

Trichromacy



Original Color

41.4618, 0.3147, 0.4349

Protanomaly

40.6814, 0.3529, 0.4182

Deuteranomaly

40.1403, 0.3597, 0.3992

Tritanomaly

40.9986, 0.2880, 0.3528

Monochromacy



Original Color

41.4618, 0.3147, 0.4349

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.6852, 0.3145, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4618, 0.3147, 0.4349 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(128, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(128, 187, 119)  
}
```

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(128, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 187, 119) }
```

Border

The CSS property to change the border of an element to Yxy 41.4618, 0.3147, 0.4349 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(128, 187, 119) }
```

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

```
.border{ border-color:rgb(128, 187, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(128, 187,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4618, 0.3147, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 187, 119) }
```

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

```
.background{ background-color: rgb(128,  
187, 119) }
```

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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