

Converting Colors

$Y_{xy}(18.4079, 0.3391, 0.4280)$

Have a look what the booklet for
Yxy(18.4079, 0.3391, 0.4280)
contains.

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Color

Yxy(18.4148, 0.3386, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	687E4E
RGB	104, 126, 78
RGB Percent	41%, 49%, 31%
CMY	0.5922, 0.5059, 0.6941
CMYK	0.17, 0.00, 0.38, 0.51
HSL	88°, 24%, 40%
HSV	88°, 38%, 49%
XYZ	14.5446, 18.4148, 9.9956
YIQ	113.9500, 2.2960, -19.5920

Conversions

Conversions Part 2

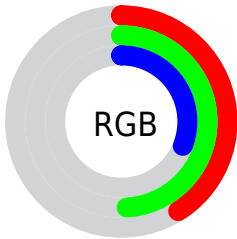
Format	Color
RYB	78, 126, 100
Decimal	6848078
CIELab	50.00, -17.02, 23.56
CIELCh	50, 29.070, 125.848
Yxy	18.4148, 0.3386, 0.4287
Android (android.graphics.Color)	4285038158 (0xFF687E4E)
YUV	113.9500, -17.7233, -8.7261
Hunter-Lab	42.9125, -14.5968, 16.2283

Details

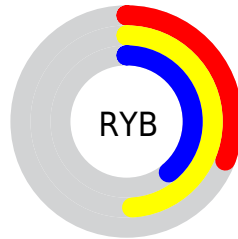
The Yxy color **18.4148, 0.3386, 0.4287** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.6654, 0.2771, 0.2280**, and the grayscale version is **16.8652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8666, 0.3335, 0.4041**, and **6.2528, 0.3461, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **17.9179, 0.3439, 0.4569**, and if you desaturate by 10%, it is **18.9716, 0.3323, 0.4007**.

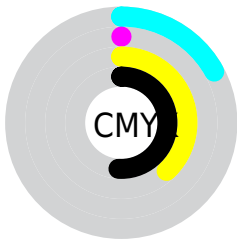
Distribution



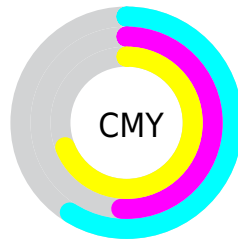
- Red (41%)
- Green (49%)
- Blue (31%)



- Red (31%)
- Yellow (49%)
- Blue (39%)



- Cyan (17%)
- Magenta (0%)
- Yellow (38%)
- Black (51%)



- Cyan (59%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4148, 0.3386, 0.4287 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 18.4148, 0.3386, 0.4287 by changing the saturation by 10% instead.

■ 18.4148, 0.3386,
0.4287

■ 18.4148, 0.3386,
0.4287

■ 243.1988, 0.3251,
0.3694

■ 11.2482, 0.3417,
0.4477

■ 40.7429, 0.3337,
0.4043

■ 6.2340, 0.3451,
0.4753

■ 56.6731, 0.3319,
0.3961

■ 2.9879, 0.3482,
0.5192

■ 76.2934, 0.3303,
0.3894

■ 1.1254, 0.3611,
0.6389

■ 99.9881, 0.3290,
0.3840

■ 0.0000, 0.0000,
0.0000

■ 128.1416, 0.3278,
0.3794

161.1383, 0.3268,

0.3756

199.3625, 0.3259,
0.3723

■ 18.4148, 0.3386,
0.4287

■ 18.4148, 0.3386,
0.4287

■ 17.9179, 0.3439,
0.4569

■ 18.9716, 0.3323,
0.4007

■ 17.4761, 0.3480,
0.4842

■ 19.5883, 0.3255,
0.3737

■ 17.0874, 0.3503,
0.5095


■ 20.2677, 0.3184,
0.3482


■ 16.7490, 0.3505,
0.5313


■ 21.0119, 0.3114,
0.3247


■ 16.4575, 0.3487,
0.5487

■ 21.8228, 0.3045,
0.3031


 16.2054, 0.3452,
0.5621

 22.7022, 0.2979,
0.2835

 16.1601, 0.3446,
0.5646

 23.6519, 0.2916,
0.2659

 24.6736, 0.2857,
0.2500

 25.7690, 0.2802,
0.2358

Harmonies

Analogous

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



18.4148, 0.3882, 0.4214



18.4148, 0.3386, 0.4287



18.4148, 0.2845, 0.4015

Triad

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



18.4148, 0.3386, 0.4287



18.4148, 0.2156, 0.2579



18.4148, 0.3878, 0.3052

Complementary

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



18.4148, 0.3386, 0.4287



9.6654, 0.2771, 0.2280

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.



18.4148, 0.3348, 0.2696



18.4148, 0.3386, 0.4287



18.4148, 0.2375, 0.2422

Square

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



18.4148, 0.3386, 0.4287



18.4148, 0.2165, 0.2952



18.4148, 0.2796, 0.2471



18.4148, 0.4195, 0.3477

Rectangle

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



18.4148, 0.3386, 0.4287



18.4148, 0.2533, 0.3679



18.4148, 0.2796, 0.2471



18.4148, 0.3716, 0.2922

Sweetspot

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



18.4156, 0.3386, 0.4287



35.2830, 0.3207, 0.3561



14.0243, 0.3849, 0.3723



7.9961, 0.3214, 0.3588



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.4156, 0.3386, 0.4287



31.6222, 0.3434, 0.4540



17.1958, 0.3102, 0.4380



4.9244, 0.3192, 0.3507



16.5750, 0.3445, 0.5647



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.6654, 0.2771, 0.2280



13.8296, 0.2661, 0.2018



11.2111, 0.3132, 0.2381



4.3008, 0.3058, 0.3072



2.4586, 0.1976, 0.0862



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4148, 0.3386, 0.4287 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4148, 0.3386, 0.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

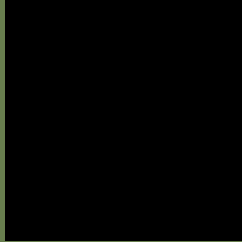
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4148, 0.3386, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 18.4148, 0.3386, 0.4287.



This preview shows how white text looks on a background with the Yxy color 18.4148, 0.3386, 0.4287.

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

18.4148, 0.3386, 0.4287

Protanopia

18.3688, 0.3794, 0.4119

Deuteranopia

18.3795, 0.3937, 0.3879



Tritanopia

18.3974, 0.2919, 0.3116

Trichromacy



Original Color

18.4148, 0.3386, 0.4287

Protanomaly

18.4339, 0.3639, 0.4190

Deuteranomaly

18.1252, 0.3727, 0.4014

Tritanomaly

18.2330, 0.3091, 0.3532

Monochromacy



Original Color

18.4148, 0.3386, 0.4287

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2114, 0.3226, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4148, 0.3386, 0.4287 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(104, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(104, 126, 78)  
}
```

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(104, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 126, 78) }
```

Border

The CSS property to change the border of an element to Yxy 18.4148, 0.3386, 0.4287 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(104, 126, 78) }
```

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

```
.border{ border-color:rgb(104, 126, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 126, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(104, 126,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4148, 0.3386, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 126, 78) }
```

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

```
.background{ background-color: rgb(104,  
126, 78) }
```

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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