

Converting Colors

$Y_{xy}(18.6149, 0.3828, 0.4448)$

Have a look what the booklet for
Yxy(18.6149, 0.3828, 0.4448)
contains.

Yxy(18.7138, 0.3833, 0.4457)	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(18.7138, 0.3833, 0.4457)

Conversions

Conversions Part 1

Format	Color
Hex	7B7B3D
RGB	123, 123, 61
RGB Percent	48%, 48%, 24%
CMY	0.5176, 0.5176, 0.7607
CMYK	0.00, 0.00, 0.50, 0.52
HSL	60°, 34%, 36%
HSV	60°, 50%, 48%
XYZ	16.0938, 18.7138, 7.1799
YIQ	115.9320, 19.9020, -19.2820

Conversions

Conversions Part 2

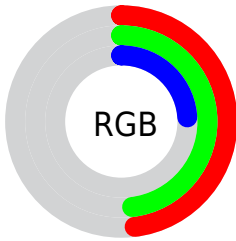
Format	Color
R_{YB}	61, 123, 61
Decimal	8092477
CIE Lab	50.35, -9.38, 33.60
CIE LCh	50, 34.882, 105.597
Yxy	18.7138, 0.3833, 0.4457
Android (android.graphics.Color)	4286282557 (0xFF7B7B3D)
YUV	115.9320, -27.0815, 6.1986
Hunter-Lab	43.2594, -9.2968, 20.4411

Details

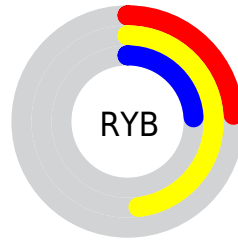
The Yxy color **18.7138, 0.3833, 0.4457** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7611, 0.2213, 0.1778**, and the grayscale version is **17.5237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1328, 0.3695, 0.4189**, and **6.3043, 0.4051, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **18.5969, 0.3947, 0.4646**, and if you desaturate by 10%, it is **18.8628, 0.3703, 0.4243**.

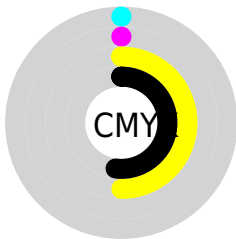
Distribution



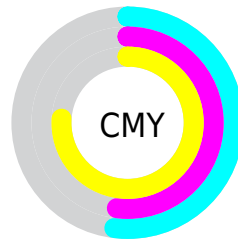
- Red (48%)
- Green (48%)
- Blue (24%)



- Red (24%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (0%)
- Yellow (50%)
- Black (52%)





- Cyan (52%)
- Magenta (52%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7138, 0.3833, 0.4457 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 18.7138, 0.3833, 0.4457 by changing the saturation by 10% instead.


 18.7138, 0.3833,
0.4457

 18.7138, 0.3833,
0.4457


 244.8642, 0.3450,
0.3785


 11.4637, 0.3929,
0.4652


 41.2499, 0.3690,
0.4191

 6.3796, 0.4044,
0.4915


 57.3047, 0.3637,
0.4098

 3.0773, 0.4331,
0.5483

 77.0631, 0.3593,
0.4022

 1.1722, 0.4233,
0.5767

 100.9097, 0.3555,
0.3958

 0.0388, 0.0000,
1.0000

 129.2286, 0.3523,
0.3905

 0.0000, 0.0000,
0.0000

 162.4044, 0.3495,

0.3859

200.8215, 0.3471,
0.3820

■ 18.7138, 0.3833,
0.4457

■ 18.7138, 0.3833,
0.4457

■ 18.5969, 0.3947,
0.4646

■ 18.8628, 0.3703,
0.4243

■ 18.5074, 0.4042,
0.4803

■ 19.0434, 0.3564,
0.4012

■ 18.4439, 0.4114,
0.4921

■ 19.2579, 0.3419,
0.3773

■ 18.4035, 0.4161,
0.5000

■ 19.5082, 0.3274,
0.3533

■ 18.3774, 0.4193,
0.5053

■ 19.7957, 0.3133,
0.3299

■ 20.1219, 0.2997,
0.3075

■ 20.4881, 0.2869,
0.2864

■ 20.8956, 0.2751,
0.2668

■ 21.3456, 0.2642,
0.2487

Harmonies

Analogous

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



18.7138, 0.4295, 0.4131



18.7138, 0.3833, 0.4457



18.7138, 0.3209, 0.4438

Triad

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



18.7138, 0.3833, 0.4457



18.7138, 0.1969, 0.2707



18.7138, 0.3606, 0.2714

Complementary

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



18.7138, 0.3833, 0.4457



5.7611, 0.2213, 0.1778

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.



18.7138, 0.2931, 0.2400



18.7138, 0.3833, 0.4457



18.7138, 0.2047, 0.2362

Square

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



18.7138, 0.3833, 0.4457



18.7138, 0.2154, 0.3298



18.7138, 0.2377, 0.2270



18.7138, 0.4186, 0.3156

Rectangle

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



18.7138, 0.3833, 0.4457



18.7138, 0.2788, 0.4176



18.7138, 0.2377, 0.2270



18.7138, 0.3379, 0.2592

Sweetspot

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



18.7147, 0.3833, 0.4457



34.7015, 0.3346, 0.3652



7.8867, 0.4461, 0.3294



8.1545, 0.3371, 0.3694



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.



18.7147, 0.3833, 0.4457



33.2809, 0.3958, 0.4665



16.7794, 0.3416, 0.4645



4.6339, 0.3255, 0.3502



19.0102, 0.4193, 0.5053



90.6806, 0.4193, 0.5053

Inverse Universe

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



5.7611, 0.2213, 0.1778



7.3560, 0.1990, 0.1410



7.0443, 0.2661, 0.1941



3.8936, 0.2994, 0.3069



1.4794, 0.1500, 0.0600



7.0569, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 18.7138, 0.3833, 0.4457 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 18.7138, 0.3833, 0.4457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

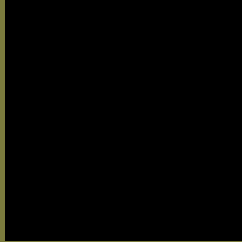
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7138, 0.3833, 0.4457

Background



This preview shows how black text looks on a background with the Yxy color 18.7138, 0.3833, 0.4457.



This preview shows how white text looks on a background with the Yxy color 18.7138, 0.3833, 0.4457.

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

18.7138, 0.3833, 0.4457

Protanopia

18.6647, 0.3993, 0.4372

Deuteranopia

18.5966, 0.4226, 0.4148



Tritanopia

18.7173, 0.3199, 0.3126

Trichromacy



Original Color

18.7138, 0.3833, 0.4457

Protanomaly

18.6681, 0.3943, 0.4406

Deuteranomaly

18.4737, 0.4083, 0.4259

Tritanomaly

18.6650, 0.3436, 0.3614

Monochromacy



Original Color

18.7138, 0.3833, 0.4457

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9601, 0.3403, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7138, 0.3833, 0.4457 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(123, 123, 61)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 61)  
}
```

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(123, 123, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 61) }
```

Border

The CSS property to change the border of an element to Yxy 18.7138, 0.3833, 0.4457 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(123, 123, 61) }
```

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

```
.border{ border-color:rgb(123, 123, 61) }
```

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

Here you see how a box with a 4 pixel rgb(123, 123, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 61);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7138, 0.3833, 0.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 61) }
```

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

```
.background{ background-color: rgb(123,  
123, 61) }
```

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