

Converting Colors

$Y_{xy}(17.6666, 0.3429, 0.4208)$

Have a look what the booklet for
Yxy(17.6666, 0.3429, 0.4208)
contains.

Yxy(17.5333, 0.3428, 0.4210)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5333, 0.3428, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	6A7A4E
RGB	106, 122, 78
RGB Percent	42%, 48%, 31%
CMY	0.5844, 0.5215, 0.6942
CMYK	0.13, 0.00, 0.36, 0.52
HSL	82°, 22%, 39%
HSV	82°, 36%, 48%
XYZ	14.2765, 17.5333, 9.8370
YIQ	112.2000, 4.5880, -17.0760

Conversions

Conversions Part 2

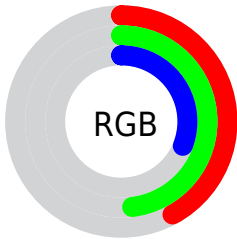
Format	Color
RYB	78, 122, 94
Decimal	6978126
CIELab	48.93, -14.06, 22.20
CIELCh	49, 26.278, 122.358
Yxy	17.5333, 0.3428, 0.4210
Android (android.graphics.Color)	4285168206 (0xFF6A7A4E)
YUV	112.2000, -16.8606, -5.4374
Hunter-Lab	41.8728, -12.4178, 15.3822

Details

The Yxy color **17.5333, 0.3428, 0.4210** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.2328, 0.2733, 0.2325**, and the grayscale version is **16.3137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0997, 0.3365, 0.3971**, and **5.7744, 0.3522, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **17.1099, 0.3499, 0.4480**, and if you desaturate by 10%, it is **18.0048, 0.3348, 0.3941**.

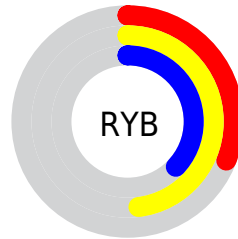
Distribution



Red (42%)

Green (48%)

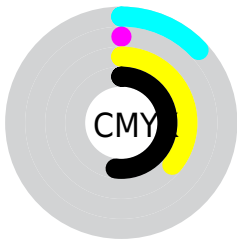
Blue (31%)



Red (31%)

Yellow (48%)

Blue (37%)

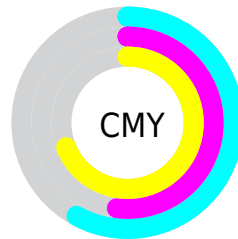


Cyan (13%)

Magenta (0%)

Yellow (36%)

Black (52%)



Cyan (58%)


Magenta (52%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5333, 0.3428, 0.4210 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 17.5333, 0.3428, 0.4210 by changing the saturation by 10% instead.


 17.5333, 0.3428,
0.4210


 17.5333, 0.3428,
0.4210


238.2272, 0.3265,
0.3662


 10.6154, 0.3470,
0.4387


 39.2405, 0.3367,
0.3984


 5.8089, 0.3520,
0.4644

 54.7985, 0.3344,
0.3908


 2.7292, 0.3585,
0.5062

 74.0055, 0.3325,
0.3847

 0.9921, 0.3752,
0.6248

 97.2457, 0.3310,
0.3796

 0.0000, 0.0000,
0.0000

 124.9036, 0.3296,
0.3754

157.3636, 0.3284,

0.3719

195.0099, 0.3274,
0.3688

■ 17.5333, 0.3428,
0.4210

■ 17.5333, 0.3428,
0.4210

■ 17.1099, 0.3499,
0.4480

■ 18.0048, 0.3348,
0.3941

■ 16.7304, 0.3558,
0.4740

■ 18.5239, 0.3264,
0.3680

■ 16.3932, 0.3599,
0.4981

■ 19.0933, 0.3179,
0.3433

■ 16.0959, 0.3621,
0.5190

■ 19.7145, 0.3094,
0.3202

■ 15.8359, 0.3619,
0.5358

■ 20.3890, 0.3013,
0.2989

■ 15.6081, 0.3598,
0.5485

■ 21.1185, 0.2935,
0.2795

■ 15.5235, 0.3589,
0.5533

■ 21.9044, 0.2862,
0.2619

■ 22.7479, 0.2793,
0.2460

■ 23.6504, 0.2730,
0.2317

Harmonies

Analogous

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



17.5333, 0.3870, 0.4119



17.5333, 0.3428, 0.4210



17.5333, 0.2926, 0.3995

Triad

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



17.5333, 0.3428, 0.4210



17.5333, 0.2217, 0.2666



17.5333, 0.3768, 0.3029

Complementary

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



17.5333, 0.3428, 0.4210



9.2328, 0.2733, 0.2325

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.



17.5333, 0.3271, 0.2708



17.5333, 0.3428, 0.4210



17.5333, 0.2398, 0.2494

Square

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



17.5333, 0.3428, 0.4210



17.5333, 0.2251, 0.3035



17.5333, 0.2770, 0.2516



17.5333, 0.4089, 0.3421

Rectangle

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



17.5333, 0.3428, 0.4210



17.5333, 0.2627, 0.3705



17.5333, 0.2770, 0.2516



17.5333, 0.3613, 0.2911

Sweetspot

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



17.5341, 0.3428, 0.4210



33.0554, 0.3223, 0.3559



12.5863, 0.3829, 0.3610



7.5344, 0.3232, 0.3585



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.5341, 0.3428, 0.4210



30.2431, 0.3486, 0.4425



16.3832, 0.3156, 0.4293



4.5644, 0.3204, 0.3505



16.3366, 0.3587, 0.5534



77.4332, 0.3557, 0.5558

Inverse Universe

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



9.2328, 0.2733, 0.2325



13.4400, 0.2623, 0.2086



10.5248, 0.3062, 0.2412



3.9580, 0.3045, 0.3073



2.0485, 0.1821, 0.0777



9.3275, 0.1771, 0.0749

Previews

White Background



This preview shows how the Yxy color 17.5333, 0.3428, 0.4210 looks on a white background.

Color Contrast Check

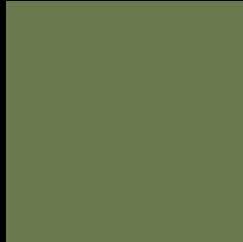
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.5333, 0.3428, 0.4210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

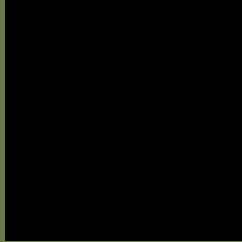
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5333, 0.3428, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 17.5333, 0.3428, 0.4210.



This preview shows how white text looks on a background with the Yxy color 17.5333, 0.3428, 0.4210.

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

17.5333, 0.3428, 0.4210

Protanopia

17.4482, 0.3761, 0.4062

Deuteranopia

17.3513, 0.3916, 0.3858



Tritanopia

17.4162, 0.2973, 0.3114

Trichromacy



Original Color

17.5333, 0.3428, 0.4210

Protanomaly

17.4146, 0.3637, 0.4106

Deuteranomaly

17.2616, 0.3730, 0.3988

Tritanomaly

17.3546, 0.3143, 0.3493

Monochromacy



Original Color

17.5333, 0.3428, 0.4210

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7259, 0.3242, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5333, 0.3428, 0.4210 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(106, 122, 78)` looks like.

```
.text, #text, p{  
    color:rgb(106, 122, 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(106, 122, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 122, 78) }
```

Border

The CSS property to change the border of an element to Yxy 17.5333, 0.3428, 0.4210 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(106, 122, 78) }
```

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

```
.border{ border-color:rgb(106, 122, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 122, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 122, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 122, 78);  
box-shadow:4px 4px 4px 4px rgb(106, 122,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5333, 0.3428, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 122, 78) }
```

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

```
.background{ background-color: rgb(106,  
122, 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](#).

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