

Converting Colors

$Y_{xy}(17.8300, 0.3368, 0.4122)$

Have a look what the booklet for
Yxy(17.8300, 0.3368, 0.4122)
contains.

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Color

Yxy(17.8546, 0.3369, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	6A7B53
RGB	106, 123, 83
RGB Percent	42%, 48%, 33%
CMY	0.5843, 0.5176, 0.6745
CMYK	0.14, 0.00, 0.33, 0.52
HSL	85°, 19%, 40%
HSV	85°, 33%, 48%
XYZ	14.5894, 17.8546, 10.8609
YIQ	113.3570, 2.7080, -16.0440

Conversions

Conversions Part 2

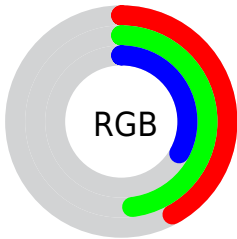
Format	Color
R _Y B	83, 123, 100
Decimal	6978387
CIE Lab	49.32, -13.84, 19.87
CIE LCh	49, 24.209, 124.855
Yxy	17.8546, 0.3369, 0.4123
Android (android.graphics.Color)	4285168467 (0xFF6A7B53)
YUV	113.3570, -14.9660, -6.4521
Hunter-Lab	42.2547, -12.3145, 14.3388

Details

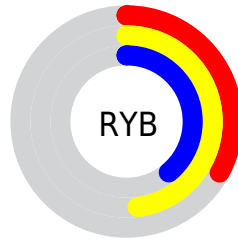
The Yxy color **17.8546, 0.3369, 0.4123** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.3252, 0.2815, 0.2438**, and the grayscale version is **16.6710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0132, 0.3320, 0.3923**, and **5.9307, 0.3452, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **17.3716, 0.3434, 0.4401**, and if you desaturate by 10%, it is **18.3924, 0.3297, 0.3851**.

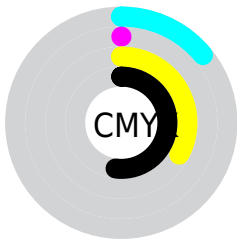
Distribution



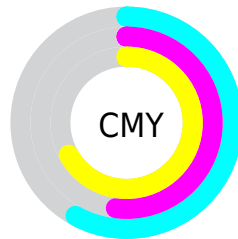
- Red (42%)
- Green (48%)
- Blue (33%)



- Red (33%)
- Yellow (48%)
- Blue (39%)



- Cyan (14%)
- Magenta (0%)
- Yellow (33%)
- Black (52%)




- Cyan (58%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8546, 0.3369, 0.4123 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 17.8546, 0.3369, 0.4123 by changing the saturation by 10% instead.


 17.8546, 0.3369,
0.4123


 17.8546, 0.3369,
0.4123


240.0502, 0.3238,
0.3627


 10.8456, 0.3403,
0.4283


 39.7894, 0.3320,
0.3919


 5.9631, 0.3444,
0.4517

 55.4841, 0.3302,
0.3850

 2.8227, 0.3489,
0.4885

 74.8427, 0.3287,
0.3795

 1.0399, 0.3820,
0.6180

 98.2498, 0.3274,
0.3749

 0.0000, 0.0000,
0.0000

 126.0897, 0.3263,
0.3711

158.7468, 0.3254,

0.3679

196.6055, 0.3246,
0.3651

■ 17.8546, 0.3369,
0.4123

■ 17.8546, 0.3369,
0.4123

■ 17.3716, 0.3434,
0.4401

■ 18.3924, 0.3297,
0.3851

■ 16.9388, 0.3487,
0.4675

■ 18.9846, 0.3222,
0.3592

■ 16.5549, 0.3526,
0.4934


■ 19.6339, 0.3146,
0.3348

■ 16.2172, 0.3545,
0.5167

■ 20.3420, 0.3071,
0.3124


■ 15.9229, 0.3543,
0.5362


■ 21.1107, 0.2999,
0.2919


 15.6688, 0.3520,
0.5509

 21.9414, 0.2931,
0.2733

 15.4967, 0.3496,
0.5606

 22.8359, 0.2866,
0.2566

 23.7955, 0.2806,
0.2416

 24.8217, 0.2750,
0.2281

Harmonies

Analogous

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



17.8546, 0.3783, 0.4068



17.8546, 0.3369, 0.4123



17.8546, 0.2909, 0.3903

Triad

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



17.8546, 0.3369, 0.4123



17.8546, 0.2294, 0.2698



17.8546, 0.3746, 0.3080

Complementary

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



17.8546, 0.3369, 0.4123



10.3252, 0.2815, 0.2438

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.



17.8546, 0.3301, 0.2774



17.8546, 0.3369, 0.4123



17.8546, 0.2478, 0.2551

Square

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



17.8546, 0.3369, 0.4123



17.8546, 0.2309, 0.3026



17.8546, 0.2836, 0.2584



17.8546, 0.4020, 0.3447

Rectangle

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



17.8546, 0.3369, 0.4123



17.8546, 0.2639, 0.3632



17.8546, 0.2836, 0.2584



17.8546, 0.3610, 0.2968

Sweetspot

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



17.8554, 0.3369, 0.4123



34.2523, 0.3205, 0.3535



13.8860, 0.3726, 0.3630



8.0360, 0.3214, 0.3564



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.



17.8554, 0.3369, 0.4123



31.3214, 0.3418, 0.4329



16.7846, 0.3123, 0.4190



4.5532, 0.3196, 0.3505



16.0282, 0.3495, 0.5607



75.9465, 0.3462, 0.5633

Inverse Universe

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



10.3252, 0.2815, 0.2438



15.6256, 0.2725, 0.2221



11.5859, 0.3112, 0.2509



3.9690, 0.3054, 0.3073



2.2378, 0.1918, 0.0830



10.1949, 0.1867, 0.0802

Previews

White Background



This preview shows how the Yxy color 17.8546, 0.3369, 0.4123 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 17.8546, 0.3369, 0.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

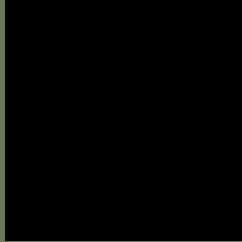
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8546, 0.3369, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 17.8546, 0.3369, 0.4123.



This preview shows how white text looks on a background with the Yxy color 17.8546, 0.3369, 0.4123.

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

17.8546, 0.3369, 0.4123

Protanopia

17.8138, 0.3719, 0.4000

Deuteranopia

17.7332, 0.3857, 0.3783



Tritanopia

17.6996, 0.2951, 0.3095

Trichromacy



Original Color

17.8546, 0.3369, 0.4123

Protanomaly

17.7097, 0.3584, 0.4046

Deuteranomaly

17.6429, 0.3675, 0.3907

Tritanomaly

17.6563, 0.3107, 0.3451

Monochromacy



Original Color

17.8546, 0.3369, 0.4123

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.9969, 0.3216, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8546, 0.3369, 0.4123 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, 123, 83)` looks like.

```
.text, #text, p{  
    color:rgb(106, 123, 83)  
}
```

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, 123, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 123, 83) }
```

Border

The CSS property to change the border of an element to Yxy 17.8546, 0.3369, 0.4123 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, 123, 83) }
```

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

```
.border{ border-color:rgb(106, 123, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 123, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 123, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 123, 83);  
box-shadow:4px 4px 4px 4px rgb(106, 123,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8546, 0.3369, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 123, 83) }
```

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

```
.background{ background-color: rgb(106,  
123, 83) }
```

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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