

Converting Colors

$Y_{xy}(17.1306, 0.3139, 0.4300)$

Have a look what the booklet for
Yxy(17.1306, 0.3139, 0.4300)
contains.

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Color

$Y_{xy}(17.1777, 0.3136, 0.4300)$

Conversions

Conversions Part 1

Format	Color
Hex	557D50
RGB	85, 125, 80
RGB Percent	33%, 49%, 31%
CMY	0.6667, 0.5098, 0.6863
CMYK	0.32, 0.00, 0.36, 0.51
HSL	113°, 22%, 40%
HSV	113°, 36%, 49%
XYZ	12.5277, 17.1777, 10.2427
YIQ	107.9100, -9.3950, -22.4750

Conversions

Conversions Part 2

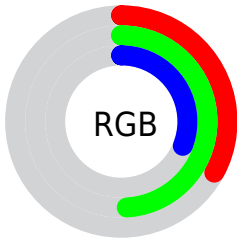
Format	Color
RYB	80, 125, 120
Decimal	5602640
CIELab	48.48, -23.49, 20.22
CIElCh	48, 30.991, 139.278
Yxy	17.1777, 0.3136, 0.4300
Android (android.graphics.Color)	4283792720 (0xFF557D50)
YUV	107.9100, -13.7596, -20.0921
Hunter-Lab	41.4460, -18.5759, 14.3596

Details

The Yxy color **17.1777, 0.3136, 0.4300** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.2091, 0.3089, 0.2419**, and the grayscale version is **15.0112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6867, 0.3143, 0.4039**, and **5.6835, 0.3086, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **16.5308, 0.3131, 0.4631**, and if you desaturate by 10%, it is **17.9421, 0.3137, 0.3985**.

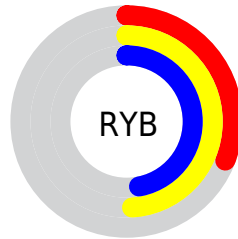
Distribution



Red (33%)

Green (49%)

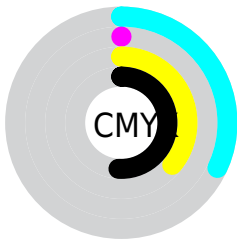
Blue (31%)



Red (31%)

Yellow (49%)

Blue (47%)

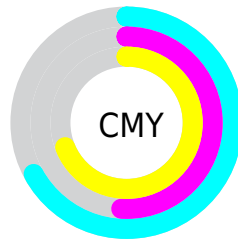


Cyan (32%)

Magenta (0%)

Yellow (36%)

Black (51%)



Cyan (67%)

Magenta (51%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1777, 0.3136, 0.4300 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 17.1777, 0.3136, 0.4300 by changing the saturation by 10% instead.

■ 17.1777, 0.3136,
0.4300

■ 17.1777, 0.3136,
0.4300

■ 236.1943, 0.3146,
0.3686

■ 10.3613, 0.3122,
0.4506

■ 38.6311, 0.3146,
0.4043

■ 5.6391, 0.3092,
0.4815

■ 54.0368, 0.3147,
0.3957

■ 2.6269, 0.3022,
0.5327

■ 73.0743, 0.3148,
0.3889

■ 0.9402, 0.2535,
0.7465

■ 96.1282, 0.3148,
0.3834

■ 0.0000, 0.0000,
0.0000

■ 123.5828, 0.3148,
0.3788

155.8224, 0.3147,

0.3749

193.2314, 0.3147,
0.3715

■ 17.1777, 0.3136,
0.4300

■ 17.1777, 0.3136,
0.4300

■ 16.5308, 0.3131,
0.4631

■ 17.9421, 0.3137,
0.3985

■ 15.9934, 0.3122,
0.4963

■ 18.8271, 0.3135,
0.3695

■ 15.5602, 0.3108,
0.5279


■ 19.8385, 0.3130,
0.3433

■ 15.2242, 0.3089,
0.5554


■ 20.9808, 0.3125,
0.3201


■ 14.9779, 0.3066,
0.5770

■ 22.2586, 0.3118,
0.2997

 14.8109, 0.3043,
0.5918

 23.6762, 0.3111,
0.2818

 14.7607, 0.3039,
0.5969

 25.2376, 0.3103,
0.2663

 26.9467, 0.3096,
0.2528

 28.8072, 0.3089,
0.2411

Harmonies

Analogous

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



17.1777, 0.3717, 0.4376



17.1777, 0.3136, 0.4300



17.1777, 0.2582, 0.3847

Triad

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



17.1777, 0.3136, 0.4300



17.1777, 0.2154, 0.2413



17.1777, 0.4142, 0.3228

Complementary

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



17.1777, 0.3136, 0.4300



11.2091, 0.3089, 0.2419

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.



17.1777, 0.3641, 0.2805



17.1777, 0.3136, 0.4300



17.1777, 0.2490, 0.2351

Square

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



17.1777, 0.3136, 0.4300



17.1777, 0.2052, 0.2708



17.1777, 0.3023, 0.2494



17.1777, 0.4333, 0.3693

Rectangle

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



17.1777, 0.3136, 0.4300



17.1777, 0.2300, 0.3434



17.1777, 0.3023, 0.2494



17.1777, 0.4002, 0.3078

Sweetspot

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



17.1784, 0.3136, 0.4300



34.5434, 0.3133, 0.3567



18.3125, 0.3675, 0.4056



7.8136, 0.3133, 0.3595



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.



17.1784, 0.3136, 0.4300



29.8136, 0.3133, 0.4565



17.2407, 0.2907, 0.3912



4.8399, 0.3132, 0.3511



15.4032, 0.3038, 0.5970



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.2091, 0.3089, 0.2419



17.4912, 0.3076, 0.2229



11.1735, 0.3442, 0.2743



4.3889, 0.3121, 0.3076



5.0762, 0.2939, 0.1392



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1777, 0.3136, 0.4300 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 17.1777, 0.3136, 0.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

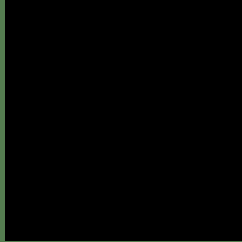
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1777, 0.3136, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 17.1777, 0.3136, 0.4300.



This preview shows how white text looks on a background with the Yxy color 17.1777, 0.3136, 0.4300.

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

17.1777, 0.3136, 0.4300

Protanopia

17.1432, 0.3753, 0.4048

Deuteranopia

17.0106, 0.3855, 0.3792



Tritanopia

17.1583, 0.2729, 0.3085

Trichromacy



Original Color

17.1777, 0.3136, 0.4300

Protanomaly

17.0445, 0.3507, 0.4161

Deuteranomaly

16.6526, 0.3565, 0.3960

Tritanomaly

17.0466, 0.2882, 0.3503

Monochromacy



Original Color

17.1777, 0.3136, 0.4300

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6258, 0.3137, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1777, 0.3136, 0.4300 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(85, 125, 80)` looks like.

```
.text, #text, p{  
    color:rgb(85, 125, 80)  
}
```

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(85, 125, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 125, 80) }
```

Border

The CSS property to change the border of an element to Yxy 17.1777, 0.3136, 0.4300 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(85, 125, 80) }
```

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

```
.border{ border-color:rgb(85, 125, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 125, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 125, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 125, 80);  
box-shadow:4px 4px 4px 4px rgb(85, 125,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1777, 0.3136, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 125, 80) }
```

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

```
.background{ background-color: rgb(85, 125,  
80) }
```

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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