

Converting Colors

$Yxy(16.5022, 0.2311, 0.4237)$

Have a look what the booklet for
Yxy(16.5022, 0.2311, 0.4237)
contains.

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Color

Yxy(17.0588, 0.2494, 0.4179)

Conversions

Conversions Part 1

Format	Color
Hex	00835F
RGB	0, 131, 95
RGB Percent	0%, 51%, 37%
CMY	1.0000, 0.4863, 0.6275
CMYK	1.00, 0.00, 0.27, 0.49
HSL	164°, 100%, 26%
HSV	164°, 100%, 51%
XYZ	10.1806, 17.0588, 13.5809
YIQ	87.7270, -66.5200, -38.9680

Conversions

Conversions Part 2

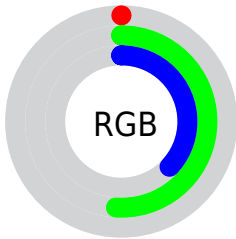
Format	Color
RYB	0, 76, 131
Decimal	33631
CIELab	48.33, -39.85, 10.99
CIELCh	48, 41.335, 164.577
Yxy	17.0588, 0.2494, 0.4179
Android (android.graphics.Color)	4278223711 (0xFF00835F)
YUV	87.7270, 3.5856, -76.9366
Hunter-Lab	41.3023, -28.2807, 9.4160

Details

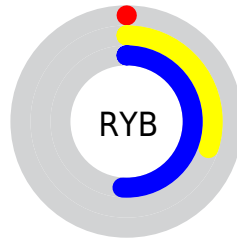
The Yxy color **17.0588, 0.2494, 0.4179** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.9532, 0.5779, 0.2957**, and the grayscale version is **9.6997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4787, 0.2649, 0.3943**, and **5.9591, 0.2582, 0.4495** is the 20% darker color. If you saturate the color by 10%, you get **17.0601, 0.2494, 0.4179**, and if you desaturate by 10%, it is **17.2135, 0.2492, 0.4079**.

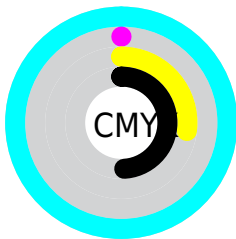
Distribution



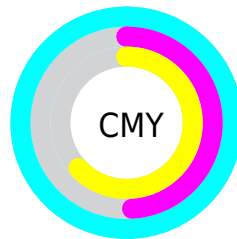
- Red (0%)
- Green (51%)
- Blue (37%)



- Red (0%)
- Yellow (30%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0588, 0.2494, 0.4179 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 17.0588, 0.2494, 0.4179 by changing the saturation by 10% instead.


 17.0588, 0.2494,
0.4179


 17.0588, 0.2494,
0.4179


235.5110, 0.2873,
0.3638


 10.2764, 0.2370,
0.4363


 38.4268, 0.2651,
0.3951


 5.5826, 0.2187,
0.4641

 53.7813, 0.2703,
0.3876


 2.5930, 0.1893,
0.5105

 72.7619, 0.2746,
0.3816

 0.9231, 0.0000,
0.7964

 95.7531, 0.2780,
0.3767

 0.0000, 0.0000,
0.0000

 123.1392, 0.2809,
0.3726

 155.3046, 0.2833,

0.3692

192.6337, 0.2854,
0.3663

■ 17.0588, 0.2494,
0.4179

■ 17.0588, 0.2494,
0.4179

■ 17.0601, 0.2494,
0.4179

■ 17.2135, 0.2492,
0.4079

■ 17.4195, 0.2502,
0.3979

■ 17.7076, 0.2531,
0.3879

■ 18.0875, 0.2578,
0.3780

■ 18.5673, 0.2642,
0.3685

■ 19.1543, 0.2720,
0.3594

■ 19.8550, 0.2810,
0.3509

■ 20.6757, 0.2910,
0.3429

■ 21.6217, 0.3017,
0.3356

Harmonies

Analogous

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



17.0588, 0.3228, 0.4731



17.0588, 0.2494, 0.4179



17.0588, 0.1972, 0.3311

Triad

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



17.0588, 0.2494, 0.4179



17.0588, 0.2209, 0.2081



17.0588, 0.4721, 0.3670

Complementary

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



17.0588, 0.2494, 0.4179



4.9532, 0.5779, 0.2957

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.



17.0588, 0.4403, 0.3092



17.0588, 0.2494, 0.4179



17.0588, 0.2855, 0.2228

Square

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



17.0588, 0.2494, 0.4179



17.0588, 0.1840, 0.2185



17.0588, 0.3676, 0.2586



17.0588, 0.4536, 0.4247

Rectangle

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



17.0588, 0.2494, 0.4179



17.0588, 0.1794, 0.2795



17.0588, 0.3676, 0.2586



17.0588, 0.4672, 0.3473

Sweetspot

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



17.0601, 0.2494, 0.4179



35.4595, 0.2804, 0.3515



16.6295, 0.3144, 0.5885



8.1458, 0.2770, 0.3545



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.0601, 0.2494, 0.4179



30.5215, 0.2500, 0.4201



11.2641, 0.2055, 0.2598



5.2576, 0.3026, 0.3350



16.7921, 0.2494, 0.4178



0.0594, 0.2366, 0.3718

Inverse Universe

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



4.9532, 0.5779, 0.2957



8.8460, 0.5835, 0.2988



5.6746, 0.6101, 0.3538



4.7082, 0.3239, 0.3231



4.8756, 0.5778, 0.2956



0.0180, 0.4738, 0.2384

Previews

White Background



This preview shows how the Yxy color 17.0588, 0.2494, 0.4179 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 17.0588, 0.2494, 0.4179 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 17.0588, 0.2494, 0.4179

Background



This preview shows how black text looks on a background with the Yxy color 17.0588, 0.2494, 0.4179.



This preview shows how white text looks on a background with the Yxy color 17.0588, 0.2494, 0.4179.

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

17.0588, 0.2494, 0.4179

Protanopia

16.8603, 0.3577, 0.3826

Deuteranopia

16.8973, 0.3551, 0.3481



Tritanopia

17.2129, 0.2302, 0.3071

Trichromacy



Original Color

17.0588, 0.2494, 0.4179



Protanomaly

15.7908, 0.2956, 0.3988



Deuteranomaly

15.6777, 0.2926, 0.3745



Tritanomaly

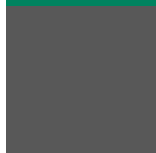
17.0518, 0.2351, 0.3449

Monochromacy



Original Color

17.0588, 0.2494, 0.4179



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.4967, 0.2677, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0588, 0.2494, 0.4179 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(0, 131, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 95)  
}
```

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(0, 131, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 95) }
```

Border

The CSS property to change the border of an element to Yxy 17.0588, 0.2494, 0.4179 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(0, 131, 95) }
```

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

```
.border{ border-color:rgb(0, 131, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 95)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0588, 0.2494, 0.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 95) }
```

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

```
.background{ background-color: rgb(0, 131,  
95) }
```

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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