

Converting Colors

$Yxy(13.8395, 0.0883, 0.4838)$

Have a look what the booklet for
Yxy(13.8395, 0.0883, 0.4838)
contains.

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Color

Yxy(17.7884, 0.2547, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	00865A
RGB	0, 134, 90
RGB Percent	0%, 53%, 35%
CMY	0.9999, 0.4745, 0.6471
CMYK	1.00, 0.00, 0.33, 0.47
HSL	160°, 100%, 26%
HSV	160°, 100%, 53%
XYZ	10.3701, 17.7884, 12.5565
YIQ	88.9180, -65.7400, -42.0920

Conversions

Conversions Part 2

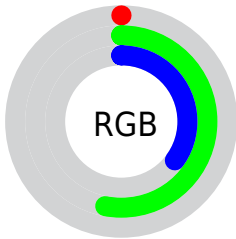
Format	Color
RYB	0, 80, 134
Decimal	34394
CIELab	49.24, -42.28, 15.13
CIELCh	49, 44.906, 160.310
Yxy	17.7884, 0.2547, 0.4369
Android (android.graphics.Color)	4278224474 (0xFF00865A)
YUV	88.9180, 0.5334, -77.9811
Hunter-Lab	42.1763, -29.9197, 11.8719

Details

The Yxy color **17.7884, 0.2547, 0.4369** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.2510, 0.5592, 0.2854**, and the grayscale version is **9.9816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6092, 0.2697, 0.4092**, and **6.3684, 0.2659, 0.4773** is the 20% darker color. If you saturate the color by 10%, you get **17.7889, 0.2547, 0.4369**, and if you desaturate by 10%, it is **17.9550, 0.2540, 0.4248**.

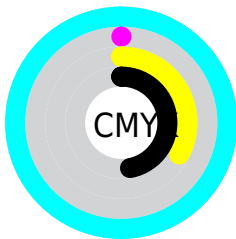
Distribution



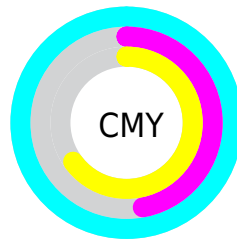
- Red (0%)
- Green (53%)
- Blue (35%)



- Red (0%)
- Yellow (31%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7884, 0.2547, 0.4369 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 17.7884, 0.2547, 0.4369 by changing the saturation by 10% instead.


 17.7884, 0.2547,
0.4369


 17.7884, 0.2547,
0.4369


239.6756, 0.2899,
0.3709


 10.7982, 0.2429,
0.4594


 39.6764, 0.2694,
0.4091


 5.9313, 0.2253,
0.4934

 55.3430, 0.2743,
0.3999


 2.8033, 0.1964,
0.5500

 74.6705, 0.2782,
0.3926

 1.0299, 0.0000,
0.9486

 98.0434, 0.2814,
0.3866

 0.0000, 0.0000,
0.0000

 125.8459, 0.2841,
0.3817

 158.4625, 0.2863,

0.3776

196.2776, 0.2882,
0.3740

■ 17.7884, 0.2547,
0.4369

■ 17.7884, 0.2547,
0.4369

■ 17.7889, 0.2547,
0.4369

■ 17.9550, 0.2540,
0.4248

■ 18.1784, 0.2545,
0.4126

■ 18.4896, 0.2570,
0.4004

■ 18.8988, 0.2612,
0.3884

■ 19.4147, 0.2671,
0.3768

■ 20.0449, 0.2745,
0.3657

■ 20.7966, 0.2830,
0.3553

■ 21.6761, 0.2924,
0.3457

■ 22.6895, 0.3024,
0.3370

Harmonies

Analogous

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



17.7884, 0.3340, 0.4874



17.7884, 0.2547, 0.4369



17.7884, 0.1957, 0.3438

Triad

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



17.7884, 0.2547, 0.4369



17.7884, 0.2079, 0.2010



17.7884, 0.4816, 0.3589

Complementary

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



17.7884, 0.2547, 0.4369



5.2510, 0.5592, 0.2854

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.



17.7884, 0.4403, 0.2990



17.7884, 0.2547, 0.4369



17.7884, 0.2720, 0.2131

Square

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



17.7884, 0.2547, 0.4369



17.7884, 0.1735, 0.2155



17.7884, 0.3584, 0.2477



17.7884, 0.4679, 0.4207

Rectangle

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



17.7884, 0.2547, 0.4369



17.7884, 0.1741, 0.2859



17.7884, 0.3584, 0.2477



17.7884, 0.4739, 0.3384

Sweetspot

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



17.7891, 0.2547, 0.4369



36.5441, 0.2824, 0.3560



17.6017, 0.3189, 0.5850



8.1220, 0.2793, 0.3597



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.



17.7891, 0.2547, 0.4369



31.3119, 0.2554, 0.4395



13.2374, 0.2101, 0.2765



5.2535, 0.3033, 0.3362



16.6721, 0.2546, 0.4366



0.0591, 0.2394, 0.3819

Inverse Universe

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



5.2510, 0.5592, 0.2854



9.2249, 0.5647, 0.2885



5.6557, 0.6197, 0.3461



4.7121, 0.3232, 0.3219



4.9222, 0.5585, 0.2851



0.0183, 0.4537, 0.2273

Previews

White Background



This preview shows how the Yxy color 17.7884, 0.2547, 0.4369 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 17.7884, 0.2547, 0.4369 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 17.7884, 0.2547, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 17.7884, 0.2547, 0.4369.



This preview shows how white text looks on a background with the Yxy color 17.7884, 0.2547, 0.4369.

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

17.7884, 0.2547, 0.4369

Protanopia

17.5356, 0.3686, 0.3948

Deuteranopia

17.5655, 0.3666, 0.3607



Tritanopia

17.8542, 0.2313, 0.3075

Trichromacy



Original Color

17.7884, 0.2547, 0.4369

Protanomaly

16.5273, 0.3030, 0.4162

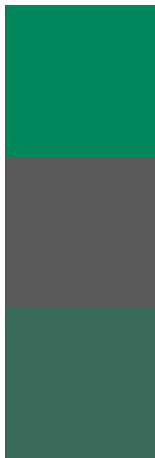
Deuteranomaly

16.2017, 0.3015, 0.3899

Tritanomaly

17.6070, 0.2369, 0.3493

Monochromacy



Original Color

17.7884, 0.2547, 0.4369

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.6943, 0.2712, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7884, 0.2547, 0.4369 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, 134, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 90)  
}
```

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, 134, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 90) }
```

Border

The CSS property to change the border of an element to Yxy 17.7884, 0.2547, 0.4369 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, 134, 90) }
```

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

```
.border{ border-color:rgb(0, 134, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 134, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7884, 0.2547, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 90) }
```

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

```
.background{ background-color: rgb(0, 134,  
90) }
```

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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