

Converting Colors

$Yxy(13.5713, 0.0911, 0.3411)$

Have a look what the booklet for
Yxy(13.5713, 0.0911, 0.3411)
contains.

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Color

Yxy(17.7649, 0.2272, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	00837F
RGB	0, 131, 127
RGB Percent	0%, 51%, 50%
CMY	0.9993, 0.4863, 0.5020
CMYK	1.00, 0.00, 0.03, 0.49
HSL	178°, 100%, 26%
HSV	178°, 100%, 51%
XYZ	11.9484, 17.7649, 22.8766
YIQ	91.3750, -76.7920, -29.0160

Conversions

Conversions Part 2

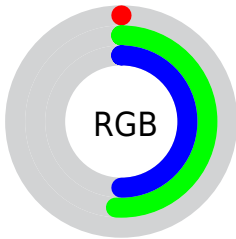
Format	Color
RYB	0, 67, 131
Decimal	33663
CIELab	49.21, -30.60, -6.47
CIELCh	49, 31.279, 191.933
Yxy	17.7649, 0.2272, 0.3378
Android (android.graphics.Color)	4278223743 (0xFF00837F)
YUV	91.3750, 17.5631, -80.1359
Hunter-Lab	42.1484, -23.1577, -2.6766

Details

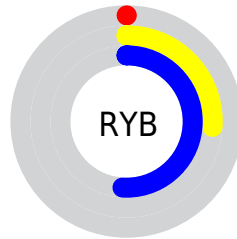
The Yxy color **17.7649, 0.2272, 0.3378** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.8384, 0.6349, 0.3273**, and the grayscale version is **10.5370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8322, 0.2464, 0.3367**, and **6.4349, 0.2275, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **17.7642, 0.2272, 0.3378**, and if you desaturate by 10%, it is **17.8626, 0.2290, 0.3368**.

Distribution



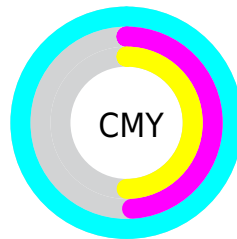
- Red (0%)
- Green (51%)
- Blue (50%)



- Red (0%)
- Yellow (26%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7649, 0.2272, 0.3378 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 17.7649, 0.2272, 0.3378 by changing the saturation by 10% instead.


 17.7649, 0.2272,
0.3378


 17.7649, 0.2272,
0.3378


 239.5425, 0.2757,
0.3338


 10.7813, 0.2128,
0.3384


 39.6363, 0.2464,
0.3366


 5.9200, 0.1928,
0.3387

 55.2929, 0.2531,
0.3360

 2.7965, 0.1635,
0.3380

 74.6094, 0.2586,
0.3355

 1.0264, 0.0754,
0.3488

 97.9700, 0.2632,
0.3351

 0.0000, 0.0000,
0.0000

 125.7593, 0.2670,
0.3347

 158.3615, 0.2703,

0.3344

196.1611, 0.2732,
0.3341

■ 17.7649, 0.2272,
0.3378

■ 17.7649, 0.2272,
0.3378

■ 17.7642, 0.2272,
0.3378

■ 17.8626, 0.2290,
0.3368

■ 18.0101, 0.2319,
0.3359

■ 18.2368, 0.2366,
0.3349

■ 18.5522, 0.2430,
0.3340

■ 18.9645, 0.2512,
0.3330

■ 19.4808, 0.2610,
0.3321

■ 20.1079, 0.2724,
0.3313

■ 20.8516, 0.2850,
0.3304

■ 21.7175, 0.2986,
0.3297

Harmonies

Analogous

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



17.7649, 0.2707, 0.3984



17.7649, 0.2272, 0.3378



17.7649, 0.2066, 0.2817

Triad

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



17.7649, 0.2272, 0.3378



17.7649, 0.2880, 0.2443



17.7649, 0.4234, 0.4023

Complementary

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



17.7649, 0.2272, 0.3378



4.8384, 0.6349, 0.3273

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.



17.7649, 0.4318, 0.3579



17.7649, 0.2272, 0.3378



17.7649, 0.3492, 0.2717

Square

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



17.7649, 0.2272, 0.3378



17.7649, 0.2389, 0.2348



17.7649, 0.4040, 0.3118



17.7649, 0.3844, 0.4336

Rectangle

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



17.7649, 0.2272, 0.3378



17.7649, 0.2067, 0.2556



17.7649, 0.4040, 0.3118



17.7649, 0.4301, 0.3883

Sweetspot

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



17.7656, 0.2272, 0.3378



35.9085, 0.2714, 0.3313



16.2619, 0.3011, 0.5990



8.2618, 0.2672, 0.3316



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.



17.7656, 0.2272, 0.3378



31.8086, 0.2272, 0.3380



6.0142, 0.1817, 0.1738



5.2765, 0.2996, 0.3296



17.4868, 0.2272, 0.3378



0.0608, 0.2258, 0.3329

Inverse Universe

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



4.8384, 0.6349, 0.3273



8.6525, 0.6365, 0.3280



8.1878, 0.5457, 0.4047



4.6908, 0.3275, 0.3284



4.7585, 0.6352, 0.3273



0.0166, 0.6136, 0.3154

Previews

White Background



This preview shows how the Yxy color 17.7649, 0.2272, 0.3378 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 17.7649, 0.2272, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

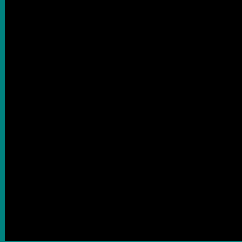
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7649, 0.2272, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 17.7649, 0.2272, 0.3378.



This preview shows how white text looks on a background with the Yxy color 17.7649, 0.2272, 0.3378.

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

17.7649, 0.2272, 0.3378

Protanopia

17.6503, 0.3129, 0.3251

Deuteranopia

17.5139, 0.3016, 0.2953



Tritanopia

17.8270, 0.2231, 0.3051

Trichromacy



Original Color

17.7649, 0.2272, 0.3378

Protanomaly

16.5511, 0.2621, 0.3289

Deuteranomaly

16.6224, 0.2555, 0.3077

Tritanomaly

17.8337, 0.2243, 0.3178

Monochromacy



Original Color

17.7649, 0.2272, 0.3378

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

12.2071, 0.2570, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7649, 0.2272, 0.3378 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 127) }
```

Border

The CSS property to change the border of an element to Yxy 17.7649, 0.2272, 0.3378 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, 127) }
```

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

```
.border{ border-color:rgb(0, 131, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 131, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 131, 127); box-shadow:4px 4px 4px 4px rgb(0, 131, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7649, 0.2272, 0.3378 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, 127) }
```

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

```
.background{ background-color: rgb(0, 131,  
127) }
```

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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