

Converting Colors

$Yxy(17.7417, 0.2296, 0.3516)$

Have a look what the booklet for
Yxy(17.7417, 0.2296, 0.3516)
contains.

Yxy(17.9077, 0.2310, 0.3517)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.9077, 0.2310, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	00847A
RGB	0, 132, 122
RGB Percent	0%, 52%, 48%
CMY	1.0000, 0.4823, 0.5216
CMYK	1.00, 0.00, 0.08, 0.48
HSL	175°, 100%, 26%
HSV	175°, 100%, 52%
XYZ	11.7620, 17.9077, 21.2479
YIQ	91.3920, -75.4620, -31.0940

Conversions

Conversions Part 2

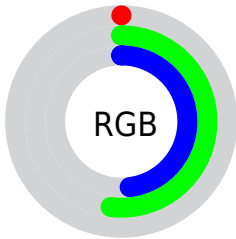
Format	Color
RYB	0, 69, 132
Decimal	33914
CIELab	49.38, -32.66, -3.28
CIELCh	49, 32.828, 185.726
Yxy	17.9077, 0.2310, 0.3517
Android (android.graphics.Color)	4278223994 (0xFF00847A)
YUV	91.3920, 15.0897, -80.1508
Hunter-Lab	42.3175, -24.4424, -0.1477

Details

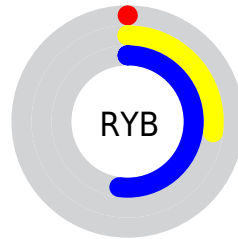
The Yxy color **17.9077, 0.2310, 0.3517** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.9281, 0.6283, 0.3235**, and the grayscale version is **10.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9676, 0.2496, 0.3479**, and **6.5290, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **17.9097, 0.2310, 0.3517**, and if you desaturate by 10%, it is **18.0217, 0.2325, 0.3492**.

Distribution



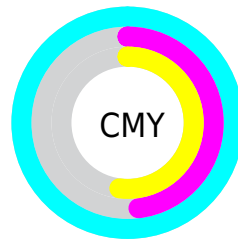
- Red (0%)
- Green (52%)
- Blue (48%)



- Red (0%)
- Yellow (27%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)




- Cyan (100%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9077, 0.2310, 0.3517 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 17.9077, 0.2310, 0.3517 by changing the saturation by 10% instead.


 17.9077, 0.2310,
0.3517


 17.9077, 0.2310,
0.3517


240.3503, 0.2776,
0.3393


 10.8837, 0.2171,
0.3551


 39.8800, 0.2495,
0.3469


 5.9887, 0.1976,
0.3596

 55.5971, 0.2560,
0.3452


 2.8382, 0.1686,
0.3656

 74.9807, 0.2612,
0.3438

 1.0479, 0.0716,
0.3947

 98.4153, 0.2656,
0.3426

 0.0000, 0.0000,
0.0000

 126.2851, 0.2693,
0.3416

 158.9746, 0.2725,

0.3407

196.8682, 0.2752,
0.3400

■ 17.9077, 0.2310,
0.3517

■ 17.9077, 0.2310,
0.3517

■ 17.9097, 0.2310,
0.3517

■ 18.0217, 0.2325,
0.3492

■ 18.1848, 0.2351,
0.3468

■ 18.4285, 0.2394,
0.3443

■ 18.7626, 0.2455,
0.3418

■ 19.1954, 0.2534,
0.3394

■ 19.7343, 0.2629,
0.3371

■ 20.3859, 0.2738,
0.3348

■ 21.1565, 0.2859,
0.3327

■ 22.0518, 0.2990,
0.3308

Harmonies

Analogous

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



17.9077, 0.2803, 0.4130



17.9077, 0.2310, 0.3517



17.9077, 0.2045, 0.2899

Triad

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



17.9077, 0.2310, 0.3517



17.9077, 0.2747, 0.2372



17.9077, 0.4331, 0.3960

Complementary

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



17.9077, 0.2310, 0.3517



4.9281, 0.6283, 0.3235

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.



17.9077, 0.4345, 0.3486



17.9077, 0.2310, 0.3517



17.9077, 0.3372, 0.2621

Square

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



17.9077, 0.2310, 0.3517



17.9077, 0.2278, 0.2315



17.9077, 0.3981, 0.3014



17.9077, 0.3977, 0.4333

Rectangle

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



17.9077, 0.2310, 0.3517



17.9077, 0.2012, 0.2594



17.9077, 0.3981, 0.3014



17.9077, 0.4378, 0.3807

Sweetspot

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



17.9097, 0.2310, 0.3517



35.8220, 0.2730, 0.3350



16.5757, 0.3026, 0.5979



8.2393, 0.2690, 0.3358



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.



17.9097, 0.2310, 0.3517



31.5342, 0.2312, 0.3522



6.9745, 0.1863, 0.1905



5.2730, 0.3001, 0.3306



17.3392, 0.2310, 0.3517



0.0605, 0.2276, 0.3394

Inverse Universe

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



4.9281, 0.6283, 0.3235



8.6700, 0.6312, 0.3251



7.6388, 0.5603, 0.3933



4.6940, 0.3268, 0.3274



4.7714, 0.6281, 0.3234



0.0169, 0.5793, 0.2965

Previews

White Background



This preview shows how the Yxy color 17.9077, 0.2310, 0.3517 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 17.9077, 0.2310, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

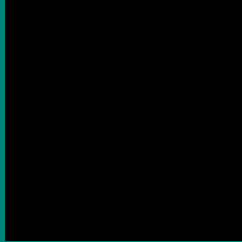
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9077, 0.2310, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 17.9077, 0.2310, 0.3517.

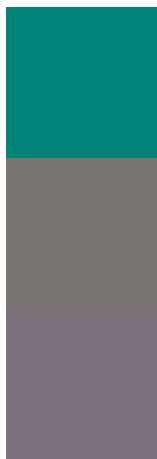


This preview shows how white text looks on a background with the Yxy color 17.9077, 0.2310, 0.3517.

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

17.9077, 0.2310, 0.3517

Protanopia

17.6761, 0.3215, 0.3349

Deuteranopia

17.8261, 0.3112, 0.3066



Tritanopia

17.9010, 0.2247, 0.3052

Trichromacy



Original Color

17.9077, 0.2310, 0.3517

Protanomaly

16.7165, 0.2679, 0.3421

Deuteranomaly

16.8177, 0.2621, 0.3203

Tritanomaly

17.8074, 0.2262, 0.3221

Monochromacy



Original Color

17.9077, 0.2310, 0.3517

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

12.1669, 0.2590, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9077, 0.2310, 0.3517 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, 132, 122)` looks like.

```
.text, #text, p{  
  color:rgb(0, 132, 122)  
}
```

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, 132, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 122) }
```

Border

The CSS property to change the border of an element to Yxy 17.9077, 0.2310, 0.3517 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, 132, 122) }
```

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

```
.border{ border-color:rgb(0, 132, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9077, 0.2310, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 122) }
```

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

```
.background{ background-color: rgb(0, 132,  
122) }
```

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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