

Converting Colors

$Yxy(17.8882, 0.2303, 0.3540)$

Have a look what the booklet for
Yxy(17.8882, 0.2303, 0.3540)
contains.

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Color

$Y_{xy}(17.8830, 0.2317, 0.3541)$

Conversions

Conversions Part 1

Format	Color
Hex	008479
RGB	0, 132, 121
RGB Percent	0%, 52%, 47%
CMY	1.0000, 0.4823, 0.5256
CMYK	1.00, 0.00, 0.08, 0.48
HSL	175°, 100%, 26%
HSV	175°, 100%, 52%
XYZ	11.7015, 17.8830, 20.9182
YIQ	91.2780, -75.1410, -31.4050

Conversions

Conversions Part 2

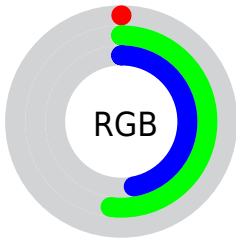
Format	Color
RYB	0, 69, 132
Decimal	33913
CIELab	49.35, -32.96, -2.72
CIElCh	49, 33.075, 184.724
Yxy	17.8830, 0.2317, 0.3541
Android (android.graphics.Color)	4278223993 (0xFF008479)
YUV	91.2780, 14.6529, -80.0508
Hunter-Lab	42.2883, -24.6123, 0.2736

Details

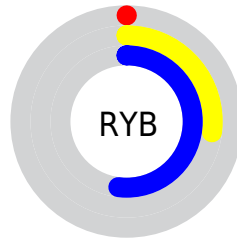
The Yxy color **17.8830, 0.2317, 0.3541** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.9302, 0.6271, 0.3228**, and the grayscale version is **10.5077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9288, 0.2502, 0.3495**, and **6.5156, 0.2335, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **17.8836, 0.2317, 0.3541**, and if you desaturate by 10%, it is **17.9980, 0.2331, 0.3514**.

Distribution



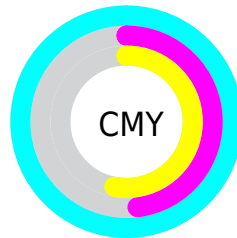
- Red (0%)
- Green (52%)
- Blue (47%)



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



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





- Cyan (100%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8830, 0.2317, 0.3541 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 17.8830, 0.2317, 0.3541 by changing the saturation by 10% instead.


 17.8830, 0.2317,
0.3541


 17.8830, 0.2317,
0.3541


240.2107, 0.2779,
0.3402


 10.8660, 0.2178,
0.3580


 39.8379, 0.2501,
0.3487


 5.9768, 0.1984,
0.3633

 55.5445, 0.2565,
0.3468


 2.8310, 0.1695,
0.3705

 74.9166, 0.2617,
0.3452

 1.0441, 0.0694,
0.4037

 98.3383, 0.2661,
0.3439

 0.0000, 0.0000,
0.0000

 126.1942, 0.2697,
0.3428

 158.8687, 0.2729,

0.3418

196.7460, 0.2756,
0.3410

■ 17.8830, 0.2317,
0.3541

■ 17.8830, 0.2317,
0.3541

■ 17.8836, 0.2317,
0.3541

■ 17.9980, 0.2331,
0.3514

■ 18.1634, 0.2356,
0.3486

■ 18.4095, 0.2399,
0.3459

■ 18.7460, 0.2460,
0.3432

■ 19.1813, 0.2538,
0.3405

■ 19.7227, 0.2632,
0.3379

■ 20.3770, 0.2741,
0.3355

■ 21.1503, 0.2861,
0.3331

■ 22.0482, 0.2991,
0.3310

Harmonies

Analogous

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



17.8830, 0.2819, 0.4154



17.8830, 0.2317, 0.3541



17.8830, 0.2042, 0.2913

Triad

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



17.8830, 0.2317, 0.3541



17.8830, 0.2724, 0.2360



17.8830, 0.4347, 0.3949

Complementary

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



17.8830, 0.2317, 0.3541



4.9302, 0.6271, 0.3228

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.



17.8830, 0.4348, 0.3470



17.8830, 0.2317, 0.3541



17.8830, 0.3352, 0.2605

Square

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



17.8830, 0.2317, 0.3541



17.8830, 0.2260, 0.2310



17.8830, 0.3970, 0.2997



17.8830, 0.3999, 0.4331

Rectangle

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



17.8830, 0.2317, 0.3541



17.8830, 0.2003, 0.2601



17.8830, 0.3970, 0.2997



17.8830, 0.4390, 0.3794

Sweetspot

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



17.8837, 0.2317, 0.3541



35.8075, 0.2733, 0.3356



16.5907, 0.3032, 0.5974



8.2356, 0.2693, 0.3365



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.



17.8837, 0.2317, 0.3541



31.4893, 0.2319, 0.3547



7.2877, 0.1879, 0.1963



5.2724, 0.3002, 0.3308



17.3151, 0.2317, 0.3541



0.0605, 0.2279, 0.3405

Inverse Universe

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



4.9302, 0.6271, 0.3228



8.6735, 0.6302, 0.3245



7.4344, 0.5650, 0.3896



4.6946, 0.3267, 0.3272



4.7736, 0.6269, 0.3227



0.0169, 0.5740, 0.2936

Previews

White Background



This preview shows how the Yxy color 17.8830, 0.2317, 0.3541 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 17.8830, 0.2317, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

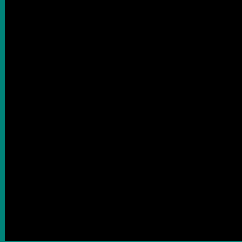
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8830, 0.2317, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 17.8830, 0.2317, 0.3541.

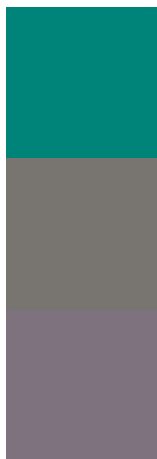


This preview shows how white text looks on a background with the Yxy color 17.8830, 0.2317, 0.3541.

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

17.8830, 0.2317, 0.3541

Protanopia

17.6537, 0.3227, 0.3368

Deuteranopia

17.8753, 0.3137, 0.3085



Tritanopia

17.9010, 0.2247, 0.3052

Trichromacy



Original Color

17.8830, 0.2317, 0.3541

Protanomaly

16.6934, 0.2688, 0.3443

Deuteranomaly

16.8355, 0.2640, 0.3225

Tritanomaly

17.8074, 0.2262, 0.3221

Monochromacy



Original Color

17.8830, 0.2317, 0.3541

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 17.8830, 0.2317, 0.3541 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 121) }
```

Border

The CSS property to change the border of an element to Yxy 17.8830, 0.2317, 0.3541 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, 121) }
```

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

```
.border{ border-color:rgb(0, 132, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8830, 0.2317, 0.3541 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, 121) }
```

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

```
.background{ background-color: rgb(0, 132,  
121) }
```

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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