

Converting Colors

$Yxy(16.4669, 0.2002, 0.3106)$

Have a look what the booklet for
Yxy(16.4669, 0.2002, 0.3106)
contains.

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Color

$Y_{xy}(17.2159, 0.2197, 0.3110)$

Conversions

Conversions Part 1

Format	Color
Hex	008088
RGB	0, 128, 136
RGB Percent	0%, 50%, 53%
CMY	1.0000, 0.4980, 0.4666
CMYK	1.00, 0.06, 0.00, 0.47
HSL	184°, 100%, 27%
HSV	184°, 100%, 53%
XYZ	12.1618, 17.2159, 25.9788
YIQ	90.6400, -78.8560, -24.6480

Conversions

Conversions Part 2

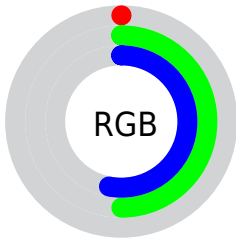
Format	Color
RYB	0, 66, 136
Decimal	32904
CIELab	48.53, -26.20, -12.79
CIELCh	49, 29.149, 206.017
Yxy	17.2159, 0.2197, 0.3110
Android (android.graphics.Color)	4278222984 (0xFF008088)
YUV	90.6400, 22.3625, -79.4913
Hunter-Lab	41.4920, -20.2905, -8.0780

Details

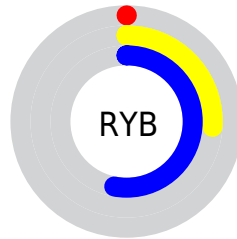
The Yxy color **17.2159, 0.2197, 0.3110** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **5.4091, 0.6340, 0.3348**, and the grayscale version is **10.3389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6067, 0.2407, 0.3164**, and **6.1207, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **17.2177, 0.2197, 0.3110**, and if you desaturate by 10%, it is **17.5177, 0.2223, 0.3129**.

Distribution



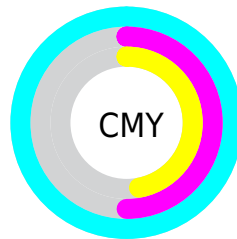
- Red (0%)
- Green (50%)
- Blue (53%)



- Red (0%)
- Yellow (26%)
- Blue (53%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (47%)





- Cyan (100%)
- Magenta (50%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2159, 0.2197, 0.3110 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 17.2159, 0.2197, 0.3110 by changing the saturation by 10% instead.


 17.2159, 0.2197,
0.3110


 17.2159, 0.2197,
0.3110


 236.4135, 0.2722,
0.3230


 10.3885, 0.2043,
0.3065


 38.6966, 0.2404,
0.3163


 5.6573, 0.1832,
0.2994

 54.1188, 0.2476,
0.3180

 2.6379, 0.1527,
0.2871

 73.1746, 0.2536,
0.3193

 0.9457, 0.0742,
0.2719

 96.2486, 0.2586,
0.3204

 0.0000, 0.0000,
0.0000

 123.7251, 0.2628,
0.3212

 155.9884, 0.2664,

0.3219

193.4231, 0.2695,
0.3225

■ 17.2159, 0.2197,
0.3110

■ 17.2159, 0.2197,
0.3110

■ 17.2177, 0.2197,
0.3110

■ 17.5177, 0.2223,
0.3129

■ 17.8746, 0.2260,
0.3148

■ 18.3192, 0.2315,
0.3167

■ 18.8621, 0.2388,
0.3187

■ 19.5121, 0.2478,
0.3206

■ 20.2772, 0.2584,
0.3225

■ 21.1647, 0.2705,
0.3242

■ 22.1811, 0.2838,
0.3259

■ 23.3327, 0.2979,
0.3275

Harmonies

Analogous

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



17.2159, 0.2516, 0.3686



17.2159, 0.2197, 0.3110



17.2159, 0.2111, 0.2662

Triad

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



17.2159, 0.2197, 0.3110



17.2159, 0.3161, 0.2590



17.2159, 0.4030, 0.4149

Complementary

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



17.2159, 0.2197, 0.3110



5.4091, 0.6340, 0.3348

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.



17.2159, 0.4255, 0.3774



17.2159, 0.2197, 0.3110



17.2159, 0.3734, 0.2915

Square

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



17.2159, 0.2197, 0.3110



17.2159, 0.2627, 0.2415



17.2159, 0.4150, 0.3333



17.2159, 0.3570, 0.4325

Rectangle

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



17.2159, 0.2197, 0.3110



17.2159, 0.2185, 0.2482



17.2159, 0.4150, 0.3333



17.2159, 0.4138, 0.4039

Sweetspot

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



17.2177, 0.2197, 0.3110



37.1826, 0.2697, 0.3241



17.6267, 0.2987, 0.5955



8.4735, 0.2651, 0.3235



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.2177, 0.2197, 0.3110



30.2570, 0.2196, 0.3106



5.1374, 0.1739, 0.1458



5.6391, 0.2991, 0.3277



16.2976, 0.2197, 0.3110



0.1154, 0.2224, 0.3206

Inverse Universe

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



6.7939, 0.3358, 0.1624



11.9625, 0.3362, 0.1626



10.2413, 0.5229, 0.4230



5.1240, 0.3146, 0.3087



6.4295, 0.3358, 0.1624



0.0434, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 17.2159, 0.2197, 0.3110 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 17.2159, 0.2197, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

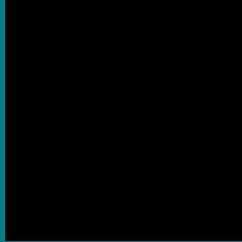
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2159, 0.2197, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 17.2159, 0.2197, 0.3110.



This preview shows how white text looks on a background with the Yxy color 17.2159, 0.2197, 0.3110.

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

17.2159, 0.2197, 0.3110

Protanopia

17.0776, 0.2962, 0.3037

Deuteranopia

17.0298, 0.2841, 0.2782



Tritanopia

17.3515, 0.2203, 0.3069

Trichromacy



Original Color

17.2159, 0.2197, 0.3110

Protanomaly

16.1831, 0.2508, 0.3052

Deuteranomaly

16.2083, 0.2446, 0.2870

Tritanomaly

17.2961, 0.2203, 0.3089

Monochromacy



Original Color

17.2159, 0.2197, 0.3110

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.8617, 0.2532, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2159, 0.2197, 0.3110 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, 128, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 136)  
}
```

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, 128, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 136) }
```

Border

The CSS property to change the border of an element to Yxy 17.2159, 0.2197, 0.3110 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, 128, 136) }
```

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

```
.border{ border-color:rgb(0, 128, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2159, 0.2197, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 136) }
```

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

```
.background{ background-color: rgb(0, 128,  
136) }
```

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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