

Converting Colors

$Yxy(15.9808, 0.1896, 0.2878)$

Have a look what the booklet for
Yxy(15.9808, 0.1896, 0.2878)
contains.

Yxy(16.9353, 0.2139, 0.2899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.9353, 0.2139, 0.2899)

Conversions

Conversions Part 1

Format	Color
Hex	007E90
RGB	0, 126, 144
RGB Percent	0%, 49%, 56%
CMY	0.9991, 0.5059, 0.4354
CMYK	1.00, 0.12, 0.00, 0.44
HSL	188°, 100%, 28%
HSV	188°, 100%, 56%
XYZ	12.4956, 16.9353, 28.9869
YIQ	90.3780, -80.8740, -21.1140

Conversions

Conversions Part 2

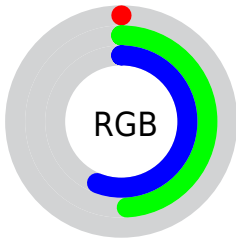
Format	Color
RYB	0, 67, 144
Decimal	32400
CIELab	48.18, -22.39, -18.01
CIElCh	48, 28.735, 218.806
Yxy	16.9353, 0.2139, 0.2899
Android (android.graphics.Color)	4278222480 (0xFF007E90)
YUV	90.3780, 26.4356, -79.2615
Hunter-Lab	41.1525, -17.8172, -12.9557

Details

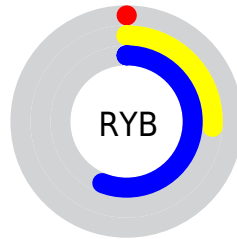
The Yxy color **16.9353, 0.2139, 0.2899** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.3677, 0.6265, 0.3404**, and the grayscale version is **10.2830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2487, 0.2357, 0.2999**, and **6.1159, 0.2095, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **16.9267, 0.2139, 0.2898**, and if you desaturate by 10%, it is **17.4977, 0.2171, 0.2941**.

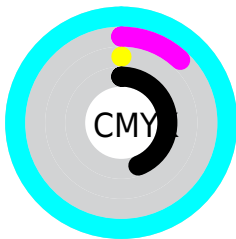
Distribution



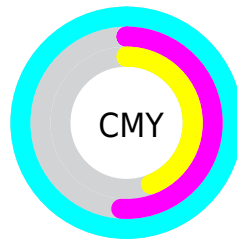
- Red (0%)
- Green (49%)
- Blue (56%)



- Red (0%)
- Yellow (26%)
- Blue (56%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (44%)





- Cyan (100%)
- Magenta (51%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9353, 0.2139, 0.2899 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 16.9353, 0.2139, 0.2899 by changing the saturation by 10% instead.


 16.9353, 0.2139,
0.2899


 16.9353, 0.2139,
0.2899


 234.7993, 0.2694,
0.3142


 10.1884, 0.1979,
0.2817


 38.2145, 0.2357,
0.3002


 5.5240, 0.1760,
0.2695

 53.5156, 0.2433,
0.3035

 2.5579, 0.1448,
0.2498

 72.4368, 0.2497,
0.3062

 0.9055, 0.0763,
0.2201

 95.3626, 0.2549,
0.3084

 0.0000, 0.0000,
0.0000

 122.6773, 0.2594,
0.3102

 154.7654, 0.2632,

0.3118

192.0113, 0.2665,
0.3130

■ 16.9353, 0.2139,
0.2899

■ 16.9353, 0.2139,
0.2899

■ 16.9267, 0.2139,
0.2898

■ 17.4977, 0.2171,
0.2941

■ 18.1339, 0.2216,
0.2984

■ 18.8767, 0.2280,
0.3027

■ 19.7381, 0.2361,
0.3069

■ 20.7285, 0.2459,
0.3111

■ 21.8571, 0.2573,
0.3151

■ 23.1323, 0.2700,
0.3190

■ 24.5618, 0.2836,
0.3226

■ 26.1525, 0.2981,
0.3260

Harmonies

Analogous

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



16.9353, 0.2360, 0.3436



16.9353, 0.2139, 0.2899



16.9353, 0.2154, 0.2542

Triad

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



16.9353, 0.2139, 0.2899



16.9353, 0.3409, 0.2718



16.9353, 0.3850, 0.4250

Complementary

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



16.9353, 0.2139, 0.2899



6.3677, 0.6265, 0.3404

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.



16.9353, 0.4187, 0.3944



16.9353, 0.2139, 0.2899



16.9353, 0.3935, 0.3088

Square

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



16.9353, 0.2139, 0.2899



16.9353, 0.2842, 0.2475



16.9353, 0.4228, 0.3522



16.9353, 0.3334, 0.4293

Rectangle

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



16.9353, 0.2139, 0.2899



16.9353, 0.2292, 0.2427



16.9353, 0.4228, 0.3522



16.9353, 0.3988, 0.4169

Sweetspot

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



16.9359, 0.2139, 0.2899



40.6277, 0.2689, 0.3187



19.9821, 0.2971, 0.5892



9.1165, 0.2640, 0.3173



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.9359, 0.2139, 0.2899



29.6981, 0.2136, 0.2890



4.7793, 0.1682, 0.1252



6.0028, 0.2990, 0.3262



14.7680, 0.2139, 0.2901



0.1621, 0.2197, 0.3107

Inverse Universe

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



7.4389, 0.3544, 0.1727



13.0974, 0.3552, 0.1731



13.0525, 0.5046, 0.4373



5.4996, 0.3155, 0.3100



6.4772, 0.3543, 0.1725



0.0640, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 16.9353, 0.2139, 0.2899 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 16.9353, 0.2139, 0.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

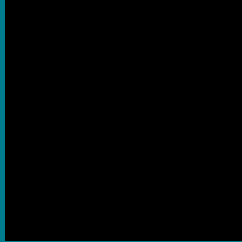
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9353, 0.2139, 0.2899

Background



This preview shows how black text looks on a background with the Yxy color 16.9353, 0.2139, 0.2899.

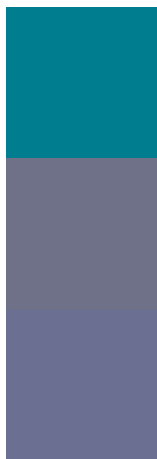


This preview shows how white text looks on a background with the Yxy color 16.9353, 0.2139, 0.2899.

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

16.9353, 0.2139, 0.2899

Protanopia

16.8745, 0.2838, 0.2866

Deuteranopia

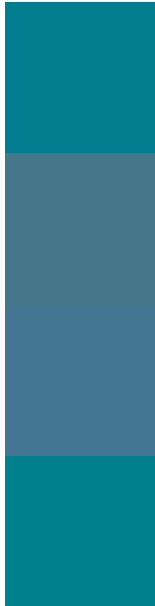
16.8207, 0.2680, 0.2633



Tritanopia

16.9849, 0.2185, 0.3066

Trichromacy



Original Color

16.9353, 0.2139, 0.2899

Protanomaly

16.0939, 0.2422, 0.2868

Deuteranomaly

16.0268, 0.2341, 0.2693

Tritanomaly

17.0722, 0.2168, 0.3003

Monochromacy



Original Color

16.9353, 0.2139, 0.2899

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.6961, 0.2490, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9353, 0.2139, 0.2899 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, 126, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 144)  
}
```

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, 126, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 144) }
```

Border

The CSS property to change the border of an element to Yxy 16.9353, 0.2139, 0.2899 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, 126, 144) }
```

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

```
.border{ border-color:rgb(0, 126, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9353, 0.2139, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 144) }
```

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

```
.background{ background-color: rgb(0, 126,  
144) }
```

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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