

Converting Colors

$Yxy(16.9520, 0.2260, 0.3335)$

Have a look what the booklet for
Yxy(16.9520, 0.2260, 0.3335)
contains.

Yxy(16.9447, 0.2259, 0.3333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9447, 0.2259, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	00807E
RGB	0, 128, 126
RGB Percent	0%, 50%, 49%
CMY	1.0000, 0.4980, 0.5058
CMYK	1.00, 0.00, 0.02, 0.50
HSL	179°, 100%, 25%
HSV	179°, 100%, 50%
XYZ	11.4846, 16.9447, 22.4099
YIQ	89.5000, -75.6460, -27.7580

Conversions

Conversions Part 2

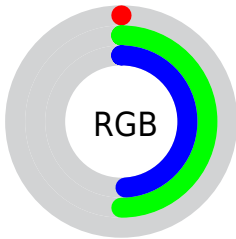
Format	Color
RYB	0, 65, 128
Decimal	32894
CIELab	48.19, -29.49, -7.41
CIELCh	48, 30.410, 194.105
Yxy	16.9447, 0.2259, 0.3333
Android (android.graphics.Color)	4278222974 (0xFF00807E)
YUV	89.5000, 17.9945, -78.4915
Hunter-Lab	41.1639, -22.2361, -3.4631

Details

The Yxy color **16.9447, 0.2259, 0.3333** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **4.5938, 0.6375, 0.3286**, and the grayscale version is **10.0795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0963, 0.2452, 0.3320**, and **5.9846, 0.2256, 0.3323** is the 20% darker color. If you saturate the color by 10%, you get **16.9462, 0.2259, 0.3333**, and if you desaturate by 10%, it is **17.0354, 0.2279, 0.3328**.

Distribution



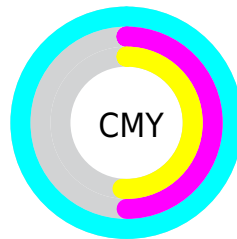
- Red (0%)
- Green (50%)
- Blue (49%)



- Red (0%)
- Yellow (25%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (50%)




- Cyan (100%)
- Magenta (50%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9447, 0.2259, 0.3333 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 16.9447, 0.2259, 0.3333 by changing the saturation by 10% instead.


 16.9447, 0.2259,
0.3333


 16.9447, 0.2259,
0.3333


 234.8535, 0.2754,
0.3320


 10.1951, 0.2111,
0.3330


 38.2307, 0.2456,
0.3332

 5.5285, 0.1905,
0.3320

 53.5358, 0.2524,
0.3330

 2.5606, 0.1600,
0.3290

 72.4616, 0.2580,
0.3328

 0.9069, 0.0533,
0.3407

 95.3923, 0.2627,
0.3327

 0.0000, 0.0000,
0.0000

 122.7125, 0.2666,
0.3325

 154.8065, 0.2700,

0.3323

192.0587, 0.2729,
0.3322

■ 16.9447, 0.2259,
0.3333

■ 16.9447, 0.2259,
0.3333

■ 16.9462, 0.2259,
0.3333

■ 17.0354, 0.2279,
0.3328

■ 17.1709, 0.2309,
0.3324

■ 17.3814, 0.2356,
0.3319

■ 17.6758, 0.2421,
0.3314

■ 18.0620, 0.2504,
0.3310

■ 18.5467, 0.2603,
0.3305

■ 19.1361, 0.2718,
0.3301

■ 19.8359, 0.2845,
0.3297

■ 20.6514, 0.2982,
0.3293

Harmonies

Analogous

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



16.9447, 0.2675, 0.3936



16.9447, 0.2259, 0.3333



16.9447, 0.2073, 0.2791

Triad

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



16.9447, 0.2259, 0.3333



16.9447, 0.2924, 0.2466



16.9447, 0.4202, 0.4044

Complementary

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



16.9447, 0.2259, 0.3333



4.5938, 0.6375, 0.3286

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.



16.9447, 0.4310, 0.3610



16.9447, 0.2259, 0.3333



16.9447, 0.3531, 0.2748

Square

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



16.9447, 0.2259, 0.3333



16.9447, 0.2426, 0.2358



16.9447, 0.4060, 0.3152



16.9447, 0.3800, 0.4337

Rectangle

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



16.9447, 0.2259, 0.3333



16.9447, 0.2085, 0.2543



16.9447, 0.4060, 0.3152



16.9447, 0.4276, 0.3908

Sweetspot

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



16.9462, 0.2259, 0.3333



33.6122, 0.2709, 0.3301



15.4531, 0.3006, 0.5996



7.7793, 0.2668, 0.3303



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.9462, 0.2259, 0.3333



29.8324, 0.2260, 0.3334



5.4709, 0.1801, 0.1684



4.8858, 0.2995, 0.3293



16.8023, 0.2259, 0.3333



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5938, 0.6375, 0.3286



8.0856, 0.6382, 0.3289



8.0205, 0.5410, 0.4086



4.3453, 0.3276, 0.3287



4.5548, 0.6375, 0.3286



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9447, 0.2259, 0.3333 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 16.9447, 0.2259, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

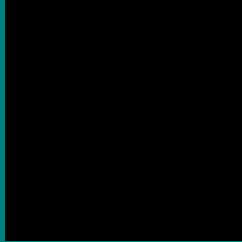
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9447, 0.2259, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 16.9447, 0.2259, 0.3333.



This preview shows how white text looks on a background with the Yxy color 16.9447, 0.2259, 0.3333.

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

16.9447, 0.2259, 0.3333

Protanopia

16.7394, 0.3105, 0.3211

Deuteranopia

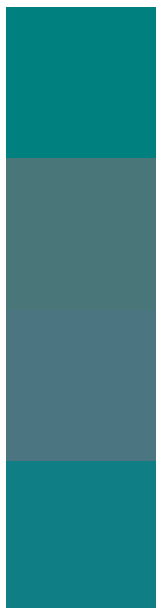
16.8321, 0.2990, 0.2928



Tritanopia

16.9345, 0.2226, 0.3046

Trichromacy



Original Color

16.9447, 0.2259, 0.3333

Protanomaly

15.7294, 0.2602, 0.3244

Deuteranomaly

15.8034, 0.2536, 0.3030

Tritanomaly

16.9824, 0.2235, 0.3153

Monochromacy



Original Color

16.9447, 0.2259, 0.3333

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.7498, 0.2563, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9447, 0.2259, 0.3333 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, 126)` looks like.

```
.text, #text, p{  
  color:rgb(0, 128, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 126) }
```

Border

The CSS property to change the border of an element to Yxy 16.9447, 0.2259, 0.3333 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, 126) }
```

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

```
.border{ border-color:rgb(0, 128, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9447, 0.2259, 0.3333 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, 126) }
```

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

```
.background{ background-color: rgb(0, 128,  
126) }
```

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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