

Converting Colors

$Yxy(15.5765, 0.1874, 0.3170)$

Have a look what the booklet for
Yxy(15.5765, 0.1874, 0.3170)
contains.

Yxy(16.8447, 0.2215, 0.3175)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8447, 0.2215, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	007F84
RGB	0, 127, 132
RGB Percent	0%, 50%, 52%
CMY	1.0000, 0.5019, 0.4824
CMYK	1.00, 0.04, 0.00, 0.48
HSL	182°, 100%, 26%
HSV	182°, 100%, 52%
XYZ	11.7515, 16.8447, 24.4580
YIQ	89.5970, -77.2970, -25.3690

Conversions

Conversions Part 2

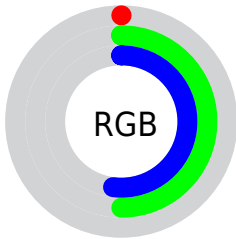
Format	Color
RYB	0, 65, 132
Decimal	32644
CIELab	48.06, -27.05, -11.12
CIELCh	48, 29.245, 202.352
Yxy	16.8447, 0.2215, 0.3175
Android (android.graphics.Color)	4278222724 (0xFF007F84)
YUV	89.5970, 20.9047, -78.5766
Hunter-Lab	41.0423, -20.7147, -6.6026

Details

The Yxy color **16.8447, 0.2215, 0.3175** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **5.0129, 0.6360, 0.3332**, and the grayscale version is **10.0959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9843, 0.2420, 0.3209**, and **5.9323, 0.2189, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **16.8467, 0.2215, 0.3175**, and if you desaturate by 10%, it is **17.0628, 0.2239, 0.3187**.

Distribution



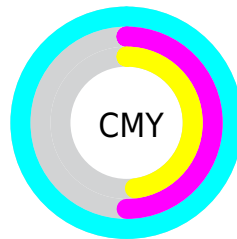
- Red (0%)
- Green (50%)
- Blue (52%)



- Red (0%)
- Yellow (25%)
- Blue (52%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (48%)



- Cyan (100%)
- Magenta (50%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8447, 0.2215, 0.3175 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 16.8447, 0.2215, 0.3175 by changing the saturation by 10% instead.


 16.8447, 0.2215,
0.3175


 16.8447, 0.2215,
0.3175


 234.2758, 0.2733,
0.3257


 10.1238, 0.2062,
0.3141


 38.0586, 0.2420,
0.3213


 5.4811, 0.1850,
0.3086

 53.3204, 0.2491,
0.3225

 2.5322, 0.1541,
0.2987

 72.1979, 0.2550,
0.3233

 0.8927, 0.0614,
0.2915

 95.0756, 0.2599,
0.3240

 0.0000, 0.0000,
0.0000

 122.3378, 0.2640,
0.3246

 154.3690, 0.2675,

0.3250

191.5536, 0.2706,
0.3254

■ 16.8447, 0.2215,
0.3175

■ 16.8447, 0.2215,
0.3175

■ 16.8467, 0.2215,
0.3175

■ 17.0628, 0.2239,
0.3187

■ 17.3302, 0.2274,
0.3199

■ 17.6787, 0.2327,
0.3211

■ 18.1179, 0.2397,
0.3224

■ 18.6562, 0.2485,
0.3236

■ 19.3009, 0.2589,
0.3248

■ 20.0588, 0.2708,
0.3259

■ 20.9359, 0.2839,
0.3270

■ 21.9380, 0.2980,
0.3280

Harmonies

Analogous

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



16.8447, 0.2563, 0.3760



16.8447, 0.2215, 0.3175



16.8447, 0.2099, 0.2699

Triad

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



16.8447, 0.2215, 0.3175



16.8447, 0.3089, 0.2553



16.8447, 0.4082, 0.4118

Complementary

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



16.8447, 0.2215, 0.3175



5.0129, 0.6360, 0.3332

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.



16.8447, 0.4273, 0.3725



16.8447, 0.2215, 0.3175



16.8447, 0.3674, 0.2865

Square

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



16.8447, 0.2215, 0.3175



16.8447, 0.2566, 0.2398



16.8447, 0.4125, 0.3279



16.8447, 0.3639, 0.4331

Rectangle

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



16.8447, 0.2215, 0.3175



16.8447, 0.2154, 0.2500



16.8447, 0.4125, 0.3279



16.8447, 0.4180, 0.4000

Sweetspot

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



16.8467, 0.2215, 0.3175



35.2433, 0.2700, 0.3258



16.5095, 0.2991, 0.5969



8.0888, 0.2655, 0.3254



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.



16.8467, 0.2215, 0.3175



29.6296, 0.2215, 0.3172



5.0671, 0.1755, 0.1516



5.2496, 0.2992, 0.3281



16.3162, 0.2215, 0.3175



0.0589, 0.2232, 0.3235

Inverse Universe

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



6.4373, 0.3303, 0.1593



11.3360, 0.3305, 0.1594



9.3346, 0.5272, 0.4196



4.7599, 0.3142, 0.3084



6.2341, 0.3303, 0.1593



0.0218, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 16.8447, 0.2215, 0.3175 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 16.8447, 0.2215, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

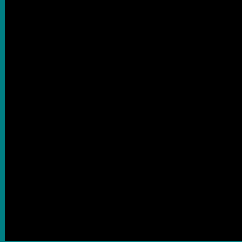
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8447, 0.2215, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 16.8447, 0.2215, 0.3175.



This preview shows how white text looks on a background with the Yxy color 16.8447, 0.2215, 0.3175.

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

16.8447, 0.2215, 0.3175

Protanopia

16.7510, 0.3008, 0.3093

Deuteranopia

16.7239, 0.2873, 0.2815



Tritanopia

16.8470, 0.2206, 0.3045

Trichromacy



Original Color

16.8447, 0.2215, 0.3175

Protanomaly

15.8409, 0.2539, 0.3114

Deuteranomaly

15.8883, 0.2467, 0.2907

Tritanomaly

16.7421, 0.2207, 0.3087

Monochromacy



Original Color

16.8447, 0.2215, 0.3175

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.5903, 0.2538, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8447, 0.2215, 0.3175 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, 127, 132)` looks like.

```
.text, #text, p{  
  color:rgb(0, 127, 132)  
}
```

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, 127, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 132) }
```

Border

The CSS property to change the border of an element to Yxy 16.8447, 0.2215, 0.3175 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, 127, 132) }
```

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

```
.border{ border-color:rgb(0, 127, 132) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8447, 0.2215, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 132) }
```

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

```
.background{ background-color: rgb(0, 127,  
132) }
```

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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