

Converting Colors

$Yxy(13.5198, 0.2155, 0.2958)$

Have a look what the booklet for
Yxy(13.5198, 0.2155, 0.2958)
contains.

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Color

Yxy(13.5669, 0.2160, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	00727F
RGB	0, 114, 127
RGB Percent	0%, 45%, 50%
CMY	1.0000, 0.5529, 0.5020
CMYK	1.00, 0.10, 0.00, 0.50
HSL	186°, 100%, 25%
HSV	186°, 100%, 50%
XYZ	9.8469, 13.5669, 22.1739
YIQ	81.3960, -72.1170, -20.1250

Conversions

Conversions Part 2

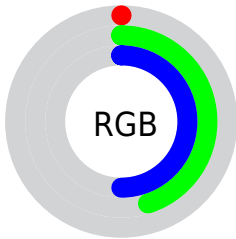
Format	Color
RYB	0, 60, 127
Decimal	29311
CIELab	43.61, -22.09, -14.90
CIELCh	44, 26.643, 214.003
Yxy	13.5669, 0.2160, 0.2976
Android (android.graphics.Color)	4278219391 (0xFF00727F)
YUV	81.3960, 22.4828, -71.3843
Hunter-Lab	36.8333, -16.7383, -9.9097

Details

The Yxy color **13.5669, 0.2160, 0.2976** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.7985, 0.6286, 0.3391**, and the grayscale version is **8.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2732, 0.2386, 0.3058**, and **4.4465, 0.2122, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **13.5676, 0.2160, 0.2976**, and if you desaturate by 10%, it is **13.9459, 0.2192, 0.3010**.

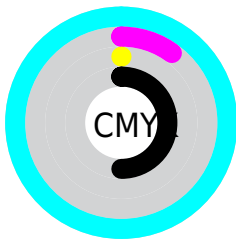
Distribution



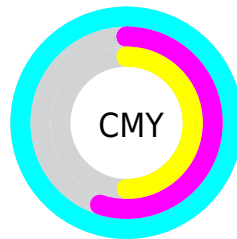
- Red (0%)
- Green (45%)
- Blue (50%)



- Red (0%)
- Yellow (24%)
- Blue (50%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (55%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5669, 0.2160, 0.2976 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 13.5669, 0.2160, 0.2976 by changing the saturation by 10% instead.


 13.5669, 0.2160,
0.2976


 13.5669, 0.2160,
0.2976


 214.5196, 0.2722,
0.3180


 7.8201, 0.1987,
0.2900


 32.3186, 0.2387,
0.3066


 3.9800, 0.1744,
0.2781

 46.0922, 0.2465,
0.3094


 1.6624, 0.1383,
0.2574

 63.3102, 0.2528,
0.3116

 0.3991, 0.0000,
0.2025

 84.3569, 0.2580,
0.3134

 0.0000, 0.0000,
0.0000

 109.6168, 0.2624,
0.3149

 139.4743, 0.2662,

0.3161

174.3138, 0.2694,
0.3171

■ 13.5669, 0.2160,
0.2976

■ 13.5669, 0.2160,
0.2976

■ 13.5676, 0.2160,
0.2976

■ 13.9459, 0.2192,
0.3010

■ 14.3735, 0.2235,
0.3044

■ 14.8790, 0.2296,
0.3078

■ 15.4712, 0.2375,
0.3112

■ 16.1576, 0.2470,
0.3145

■ 16.9450, 0.2580,
0.3178

■ 17.8394, 0.2704,
0.3209

■ 18.8464, 0.2838,
0.3238

■ 19.9712, 0.2980,
0.3265

Harmonies

Analogous

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



13.5669, 0.2417, 0.3529



13.5669, 0.2160, 0.2976



13.5669, 0.2137, 0.2585

Triad

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



13.5669, 0.2160, 0.2976



13.5669, 0.3315, 0.2670



13.5669, 0.3918, 0.4213

Complementary

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



13.5669, 0.2160, 0.2976



4.7985, 0.6286, 0.3391

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.



13.5669, 0.4214, 0.3880



13.5669, 0.2160, 0.2976



13.5669, 0.3861, 0.3023

Square

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



13.5669, 0.2160, 0.2976



13.5669, 0.2760, 0.2452



13.5669, 0.4201, 0.3451



13.5669, 0.3423, 0.4308

Rectangle

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



13.5669, 0.2160, 0.2976



13.5669, 0.2251, 0.2447



13.5669, 0.4201, 0.3451



13.5669, 0.4045, 0.4121

Sweetspot

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



13.5676, 0.2160, 0.2976



31.8319, 0.2695, 0.3206



15.2038, 0.2973, 0.5901



7.3154, 0.2650, 0.3196



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.



13.5676, 0.2160, 0.2976



24.1768, 0.2158, 0.2968



3.8818, 0.1700, 0.1318



4.8141, 0.2993, 0.3267



13.6850, 0.2160, 0.2976



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.7261, 0.3475, 0.1688



10.2437, 0.3482, 0.1692



9.7065, 0.5082, 0.4347



4.4051, 0.3151, 0.3099



5.7760, 0.3475, 0.1688



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.5669, 0.2160, 0.2976 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 13.5669, 0.2160, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

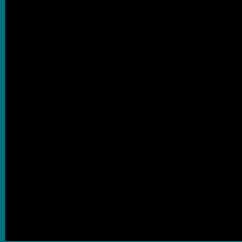
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5669, 0.2160, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 13.5669, 0.2160, 0.2976.

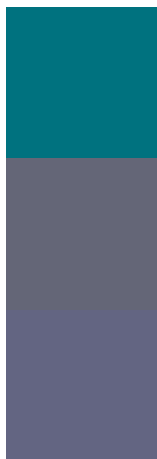


This preview shows how white text looks on a background with the Yxy color 13.5669, 0.2160, 0.2976.

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

13.5669, 0.2160, 0.2976

Protanopia

13.5440, 0.2884, 0.2929

Deuteranopia

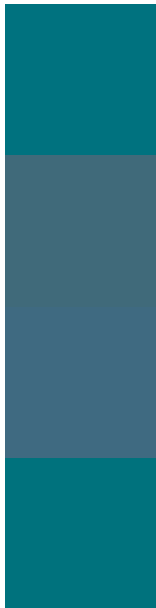
13.5717, 0.2743, 0.2692



Tritanopia

13.4899, 0.2179, 0.3045

Trichromacy



Original Color

13.5669, 0.2160, 0.2976

Protanomaly

12.8032, 0.2456, 0.2916

Deuteranomaly

12.9498, 0.2386, 0.2767

Tritanomaly

13.5153, 0.2173, 0.3021

Monochromacy



Original Color

13.5669, 0.2160, 0.2976

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.4406, 0.2515, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5669, 0.2160, 0.2976 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, 114, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 127)  
}
```

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, 114, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 127) }
```

Border

The CSS property to change the border of an element to Yxy 13.5669, 0.2160, 0.2976 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, 114, 127) }
```

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

```
.border{ border-color:rgb(0, 114, 127) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5669, 0.2160, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 127) }
```

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

```
.background{ background-color: rgb(0, 114,  
127) }
```

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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