

Converting Colors

$Yxy(17.8587, 0.2186, 0.3070)$

Have a look what the booklet for
Yxy(17.8587, 0.2186, 0.3070)
contains.

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Color

Yxy(17.8587, 0.2186, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	00828C
RGB	0, 130, 140
RGB Percent	0%, 51%, 55%
CMY	1.0000, 0.4902, 0.4509
CMYK	1.00, 0.07, 0.00, 0.45
HSL	184°, 100%, 27%
HSV	184°, 100%, 55%
XYZ	12.7163, 17.8587, 27.5966
YIQ	92.2700, -80.6900, -24.4500

Conversions

Conversions Part 2

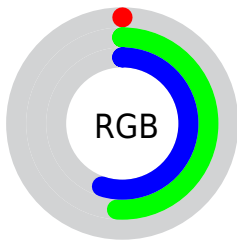
Format	Color
RYB	0, 67, 140
Decimal	33420
CIELab	49.32, -25.84, -13.94
CIElCh	49, 29.363, 208.346
Yxy	17.8587, 0.2186, 0.3070
Android (android.graphics.Color)	4278223500 (0xFF00828C)
YUV	92.2700, 23.5309, -80.9208
Hunter-Lab	42.2596, -20.2418, -9.1363

Details

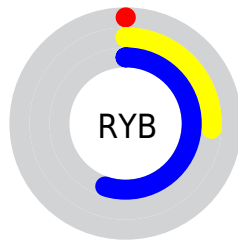
The Yxy color **17.8587, 0.2186, 0.3070** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **5.7951, 0.6329, 0.3356**, and the grayscale version is **10.7276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6933, 0.2391, 0.3120**, and **6.4755, 0.2156, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **17.8601, 0.2186, 0.3070**, and if you desaturate by 10%, it is **18.2214, 0.2213, 0.3093**.

Distribution



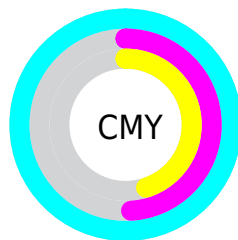
- Red (0%)
- Green (51%)
- Blue (55%)



- Red (0%)
- Yellow (26%)
- Blue (55%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (45%)





- Cyan (100%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8587, 0.2186, 0.3070 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 17.8587, 0.2186, 0.3070 by changing the saturation by 10% instead.


 17.8587, 0.2186,
0.3070


 17.8587, 0.2186,
0.3070


 240.0734, 0.2714,
0.3213

 10.8486, 0.2034,
0.3018


 39.7964, 0.2393,
0.3132


 5.9651, 0.1825,
0.2939

 55.4928, 0.2466,
0.3152

 2.8239, 0.1526,
0.2805

 74.8534, 0.2526,
0.3168

 1.0405, 0.0877,
0.2606

 98.2626, 0.2576,
0.3181

 0.0000, 0.0000,
0.0000

 126.1048, 0.2618,
0.3191

 158.7644, 0.2654,

0.3199

196.6258, 0.2686,
0.3207

■ 17.8587, 0.2186,
0.3070

■ 17.8587, 0.2186,
0.3070

■ 17.8601, 0.2186,
0.3070

■ 18.2214, 0.2213,
0.3093

■ 18.6455, 0.2251,
0.3117

■ 19.1640, 0.2307,
0.3141

■ 19.7884, 0.2382,
0.3164

■ 20.5283, 0.2473,
0.3188

■ 21.3923, 0.2581,
0.3210

■ 22.3880, 0.2703,
0.3232

■ 23.5227, 0.2836,
0.3253

■ 24.8029, 0.2979,
0.3272

Harmonies

Analogous

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



17.8587, 0.2486, 0.3640



17.8587, 0.2186, 0.3070



17.8587, 0.2119, 0.2639

Triad

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



17.8587, 0.2186, 0.3070



17.8587, 0.3206, 0.2613



17.8587, 0.3997, 0.4168

Complementary

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



17.8587, 0.2186, 0.3070



5.7951, 0.6329, 0.3356

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.



17.8587, 0.4243, 0.3805



17.8587, 0.2186, 0.3070



17.8587, 0.3771, 0.2947

Square

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



17.8587, 0.2186, 0.3070



17.8587, 0.2665, 0.2426



17.8587, 0.4166, 0.3368



17.8587, 0.3527, 0.4321

Rectangle

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



17.8587, 0.2186, 0.3070



17.8587, 0.2204, 0.2472



17.8587, 0.4166, 0.3368



17.8587, 0.4111, 0.4063

Sweetspot

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



17.8601, 0.2186, 0.3070



39.3386, 0.2695, 0.3231



18.7836, 0.2984, 0.5942



8.9088, 0.2648, 0.3223



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



17.8601, 0.2186, 0.3070



31.3778, 0.2185, 0.3065



5.1973, 0.1723, 0.1402



5.6284, 0.2991, 0.3274



15.8757, 0.2187, 0.3071



0.1140, 0.2219, 0.3187

Inverse Universe

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



7.1893, 0.3393, 0.1643



12.6604, 0.3397, 0.1645



11.2196, 0.5185, 0.4265



5.1229, 0.3147, 0.3090



6.3869, 0.3392, 0.1642



0.0433, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 17.8587, 0.2186, 0.3070 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 17.8587, 0.2186, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

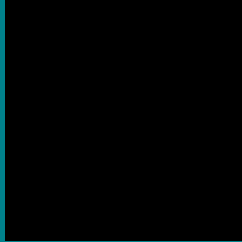
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8587, 0.2186, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 17.8587, 0.2186, 0.3070.

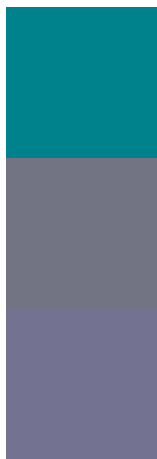


This preview shows how white text looks on a background with the Yxy color 17.8587, 0.2186, 0.3070.

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

17.8587, 0.2186, 0.3070

Protanopia

17.7743, 0.2943, 0.3004

Deuteranopia

17.6931, 0.2803, 0.2736



Tritanopia

17.9271, 0.2189, 0.3050

Trichromacy



Original Color

17.8587, 0.2186, 0.3070

Protanomaly

16.8124, 0.2490, 0.3015

Deuteranomaly

16.8326, 0.2415, 0.2818

Tritanomaly

17.9142, 0.2186, 0.3050

Monochromacy



Original Color

17.8587, 0.2186, 0.3070

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.3420, 0.2531, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8587, 0.2186, 0.3070 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, 130, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 140)  
}
```

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, 130, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 140) }
```

Border

The CSS property to change the border of an element to Yxy 17.8587, 0.2186, 0.3070 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, 130, 140) }
```

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

```
.border{ border-color:rgb(0, 130, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8587, 0.2186, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 140) }
```

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

```
.background{ background-color: rgb(0, 130,  
140) }
```

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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