

Converting Colors

$Yxy(15.6107, 0.1668, 0.2857)$

Have a look what the booklet for
Yxy(15.6107, 0.1668, 0.2857)
contains.

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Color

Yxy(17.5137, 0.2140, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	008092
RGB	0, 128, 146
RGB Percent	0%, 50%, 57%
CMY	1.0000, 0.4980, 0.4275
CMYK	1.00, 0.12, 0.00, 0.43
HSL	187°, 100%, 29%
HSV	187°, 100%, 57%
XYZ	12.9061, 17.5137, 29.8891
YIQ	91.7800, -82.0660, -21.5380

Conversions

Conversions Part 2

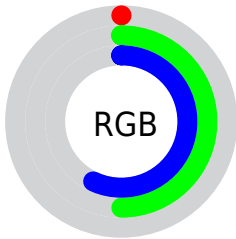
Format	Color
RYB	0, 68, 146
Decimal	32914
CIELab	48.90, -22.75, -18.08
CIELCh	49, 29.063, 218.478
Yxy	17.5137, 0.2140, 0.2904
Android (android.graphics.Color)	4278222994 (0xFF008092)
YUV	91.7800, 26.7305, -80.4911
Hunter-Lab	41.8494, -18.1880, -13.0507

Details

The Yxy color **17.5137, 0.2140, 0.2904** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.5419, 0.6273, 0.3401**, and the grayscale version is **10.6012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1492, 0.2353, 0.3002**, and **6.2750, 0.2096, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **17.5146, 0.2140, 0.2904**, and if you desaturate by 10%, it is **18.0861, 0.2172, 0.2946**.

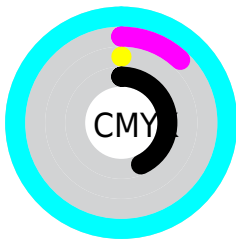
Distribution



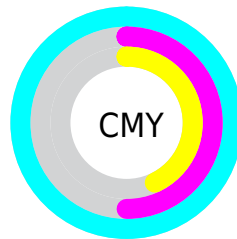
- Red (0%)
- Green (50%)
- Blue (57%)



- Red (0%)
- Yellow (27%)
- Blue (57%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (43%)





- Cyan (100%)
- Magenta (50%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5137, 0.2140, 0.2904 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 17.5137, 0.2140, 0.2904 by changing the saturation by 10% instead.


 17.5137, 0.2140,
0.2904


 17.5137, 0.2140,
0.2904


238.1155, 0.2692,
0.3143


 10.6014, 0.1982,
0.2824


 39.2069, 0.2356,
0.3005


 5.7995, 0.1767,
0.2705

 54.7566, 0.2432,
0.3038


 2.7236, 0.1462,
0.2515

 73.9543, 0.2495,
0.3064

 0.9892, 0.0854,
0.2217

 97.1843, 0.2547,
0.3086

 0.0000, 0.0000,
0.0000

 124.8310, 0.2592,
0.3104

 157.2789, 0.2630,

0.3119

194.9123, 0.2663,
0.3132

■ 17.5137, 0.2140,
0.2904

■ 17.5137, 0.2140,
0.2904

■ 17.5146, 0.2140,
0.2904

■ 18.0861, 0.2172,
0.2946

■ 18.7337, 0.2216,
0.2988

■ 19.4907, 0.2279,
0.3030

■ 20.3697, 0.2360,
0.3072

■ 21.3815, 0.2457,
0.3113

■ 22.5357, 0.2571,
0.3153

■ 23.8409, 0.2697,
0.3191

■ 25.3050, 0.2834,
0.3226

■ 26.9353, 0.2978,
0.3260

Harmonies

Analogous

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



17.5137, 0.2363, 0.3442



17.5137, 0.2140, 0.2904



17.5137, 0.2152, 0.2545

Triad

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



17.5137, 0.2140, 0.2904



17.5137, 0.3402, 0.2714



17.5137, 0.3855, 0.4248

Complementary

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



17.5137, 0.2140, 0.2904



6.5419, 0.6273, 0.3401

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.



17.5137, 0.4189, 0.3940



17.5137, 0.2140, 0.2904



17.5137, 0.3930, 0.3083

Square

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



17.5137, 0.2140, 0.2904



17.5137, 0.2836, 0.2473



17.5137, 0.4226, 0.3517



17.5137, 0.3341, 0.4295

Rectangle

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



17.5137, 0.2140, 0.2904



17.5137, 0.2289, 0.2428



17.5137, 0.4226, 0.3517



17.5137, 0.3993, 0.4166

Sweetspot

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



17.5146, 0.2140, 0.2904



41.9180, 0.2689, 0.3188



20.5946, 0.2971, 0.5895



9.1275, 0.2641, 0.3174



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.



17.5146, 0.2140, 0.2904



30.7361, 0.2138, 0.2896



4.8996, 0.1680, 0.1247



6.4416, 0.2990, 0.3262



15.4375, 0.2141, 0.2906



0.2165, 0.2197, 0.3110

Inverse Universe

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



7.6685, 0.3540, 0.1724



13.5137, 0.3547, 0.1728



13.4266, 0.5050, 0.4372



5.8970, 0.3155, 0.3098



6.7518, 0.3538, 0.1723



0.0854, 0.3358, 0.1624

Previews

White Background



This preview shows how the Yxy color 17.5137, 0.2140, 0.2904 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 17.5137, 0.2140, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

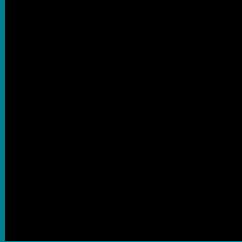
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5137, 0.2140, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 17.5137, 0.2140, 0.2904.

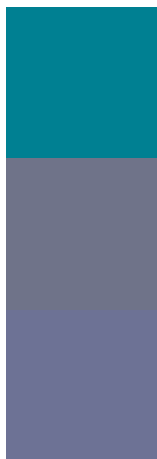


This preview shows how white text looks on a background with the Yxy color 17.5137, 0.2140, 0.2904.

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

17.5137, 0.2140, 0.2904

Protanopia

17.4471, 0.2830, 0.2871

Deuteranopia

17.4558, 0.2686, 0.2642



Tritanopia

17.5646, 0.2186, 0.3069

Trichromacy



Original Color

17.5137, 0.2140, 0.2904

Protanomaly

16.6660, 0.2422, 0.2873

Deuteranomaly

16.5970, 0.2343, 0.2701

Tritanomaly

17.6535, 0.2169, 0.3007

Monochromacy



Original Color

17.5137, 0.2140, 0.2904

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.2028, 0.2498, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5137, 0.2140, 0.2904 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 146) }
```

Border

The CSS property to change the border of an element to Yxy 17.5137, 0.2140, 0.2904 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, 146) }
```

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

```
.border{ border-color:rgb(0, 128, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5137, 0.2140, 0.2904 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, 146) }
```

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

```
.background{ background-color: rgb(0, 128,  
146) }
```

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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