

Converting Colors

$Y_{xy}(18.7217, 0.2058, 0.2859)$

Have a look what the booklet for
Yxy(18.7217, 0.2058, 0.2859)
contains.

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Color

$Y_{xy}(19.1082, 0.2128, 0.2859)$

Conversions

Conversions Part 1	
Format	Color
Hex	00859A
RGB	0, 133, 154
RGB Percent	0%, 52%, 60%
CMY	0.9986, 0.4784, 0.3961
CMYK	1.00, 0.14, 0.00, 0.40
HSL	188°, 100%, 30%
HSV	188°, 100%, 60%
XYZ	14.2225, 19.1082, 33.5045
YIQ	95.6270, -86.0090, -21.6650

Conversions

Conversions Part 2

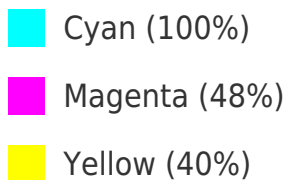
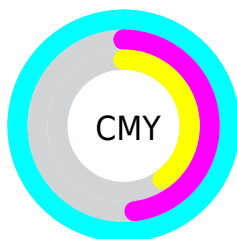
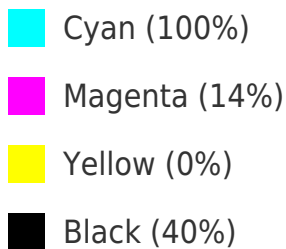
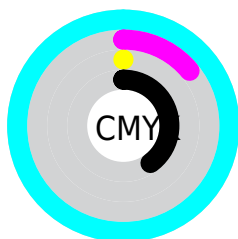
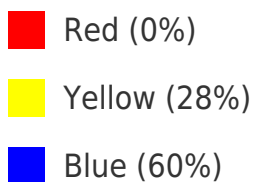
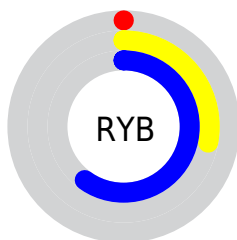
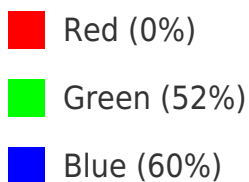
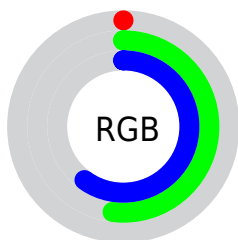
Format	Color
RYB	0, 71, 154
Decimal	34202
CIELab	50.81, -22.54, -19.83
CIELCh	51, 30.020, 221.339
Yxy	19.1082, 0.2128, 0.2859
Android (android.graphics.Color)	4278224282 (0xFF00859A)
YUV	95.6270, 28.7779, -83.8649
Hunter-Lab	43.7129, -18.4204, -14.8448

Details

The Yxy color **19.1082, 0.2128, 0.2859** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.4191, 0.6254, 0.3412**, and the grayscale version is **11.5739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7466, 0.2343, 0.2967**, and **7.1658, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **19.0928, 0.2127, 0.2858**, and if you desaturate by 10%, it is **19.7966, 0.2161, 0.2906**.

Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1082, 0.2128, 0.2859 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 19.1082, 0.2128, 0.2859 by changing the saturation by 10% instead.


 19.1082, 0.2128,
0.2859


 19.1082, 0.2128,
0.2859


 247.0454, 0.2679,
0.3120


 11.7485, 0.1974,
0.2774


 41.9169, 0.2341,
0.2967


 6.5727, 0.1767,
0.2652


 58.1346, 0.2417,
0.3004

 3.1963, 0.1478,
0.2462


 78.0738, 0.2480,
0.3033

 1.2351, 0.1023,
0.2149

 102.1188, 0.2532,
0.3057

 0.0901, 0.0000,
0.0538

 130.6541, 0.2577,
0.3077

 0.0000, 0.0000,
0.0000

 164.0640, 0.2616,

0.3093

202.7330, 0.2649,
0.3108

■ 19.1082, 0.2128,
0.2859

■ 19.1082, 0.2128,
0.2859

■ 19.0928, 0.2127,
0.2858

■ 19.7966, 0.2161,
0.2906

■ 20.5759, 0.2207,
0.2953

■ 21.4812, 0.2271,
0.3000

■ 22.5271, 0.2354,
0.3047

■ 23.7257, 0.2454,
0.3093

■ 25.0882, 0.2569,
0.3138

■ 26.6242, 0.2697,
0.3180

■ 28.3428, 0.2835,
0.3220

■ 30.2524, 0.2981,
0.3257

Harmonies

Analogous

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



19.1082, 0.2329, 0.3387



19.1082, 0.2128, 0.2859



19.1082, 0.2163, 0.2519

Triad

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



19.1082, 0.2128, 0.2859



19.1082, 0.3459, 0.2743



19.1082, 0.3813, 0.4269

Complementary

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



19.1082, 0.2128, 0.2859



7.4191, 0.6254, 0.3412

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.



19.1082, 0.4172, 0.3978



19.1082, 0.2128, 0.2859



19.1082, 0.3974, 0.3122

Square

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



19.1082, 0.2128, 0.2859



19.1082, 0.2886, 0.2486



19.1082, 0.4241, 0.3560



19.1082, 0.3288, 0.4285

Rectangle

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



19.1082, 0.2128, 0.2859



19.1082, 0.2314, 0.2416



19.1082, 0.4241, 0.3560



19.1082, 0.3958, 0.4195

Sweetspot

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



19.1089, 0.2128, 0.2859



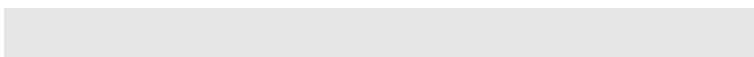
48.1271, 0.2686, 0.3177



23.1629, 0.2967, 0.5877



10.6388, 0.2635, 0.3160



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.1089, 0.2128, 0.2859



34.4806, 0.2125, 0.2849



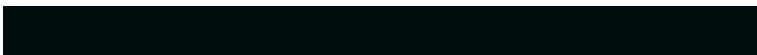
5.2311, 0.1667, 0.1197



6.8826, 0.2989, 0.3259



15.5964, 0.2128, 0.2862



0.2679, 0.2186, 0.3070

Inverse Universe

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



8.5700, 0.3580, 0.1747



15.5330, 0.3590, 0.1751



15.5413, 0.5006, 0.4405



6.3091, 0.3157, 0.3100



6.9798, 0.3578, 0.1745



0.1079, 0.3393, 0.1643

Previews

White Background



This preview shows how the Yxy color 19.1082, 0.2128, 0.2859 looks on a white 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

Black Background



This preview shows how the Yxy color 19.1082, 0.2128, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

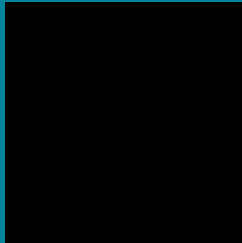
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1082, 0.2128, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 19.1082, 0.2128, 0.2859.



This preview shows how white text looks on a background with the Yxy color 19.1082, 0.2128, 0.2859.

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

19.1082, 0.2128, 0.2859

Protanopia

18.8828, 0.2798, 0.2814

Deuteranopia

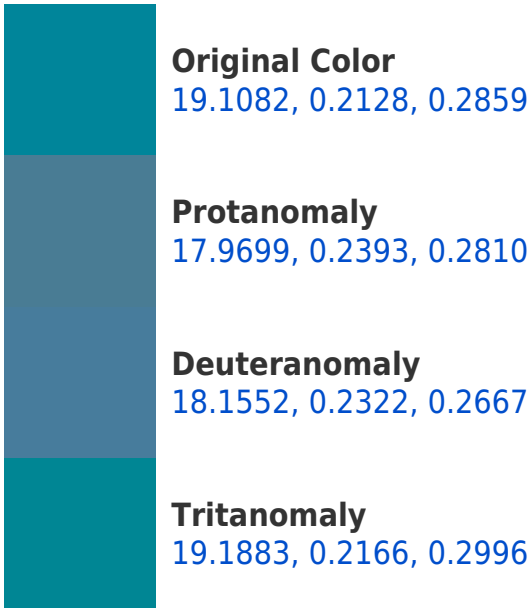
19.0727, 0.2653, 0.2613



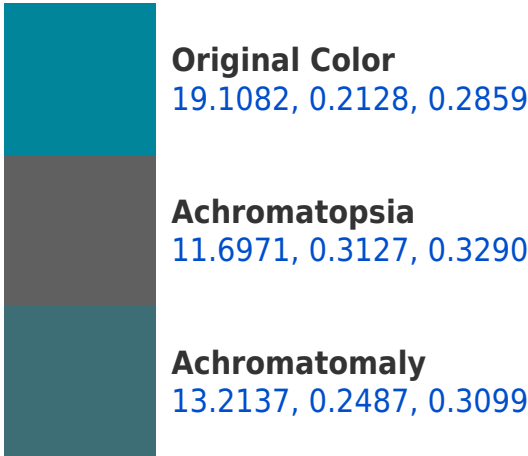
Tritanopia

19.0945, 0.2182, 0.3056

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1082, 0.2128, 0.2859 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, 133, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 154)  
}
```


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, 133, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 154) }
```

Border

The CSS property to change the border of an element to Yxy 19.1082, 0.2128, 0.2859 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, 133, 154) }
```


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

```
.border{ border-color:rgb(0, 133, 154) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1082, 0.2128, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 154) }
```

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

```
.background{ background-color: rgb(0, 133,  
154) }
```

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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