

Converting Colors

$Yxy(17.9828, 0.2139, 0.2901)$

Have a look what the booklet for
Yxy(17.9828, 0.2139, 0.2901)
contains.

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Color

Yxy(18.1034, 0.2141, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	008294
RGB	0, 130, 148
RGB Percent	0%, 51%, 58%
CMY	1.0000, 0.4901, 0.4196
CMYK	1.00, 0.12, 0.00, 0.42
HSL	187°, 100%, 29%
HSV	187°, 100%, 58%
XYZ	13.3240, 18.1034, 30.8050
YIQ	93.1820, -83.2580, -21.9620

Conversions

Conversions Part 2

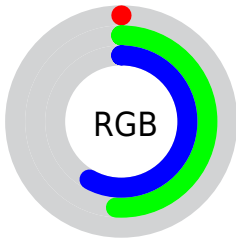
Format	Color
RYB	0, 69, 148
Decimal	33428
CIELab	49.62, -23.11, -18.16
CIELCh	50, 29.391, 218.150
Yxy	18.1034, 0.2141, 0.2909
Android (android.graphics.Color)	4278223508 (0xFF008294)
YUV	93.1820, 27.0253, -81.7206
Hunter-Lab	42.5481, -18.5618, -13.1426

Details

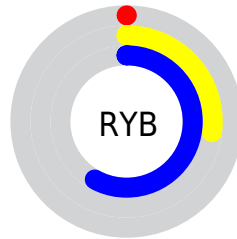
The Yxy color **18.1034, 0.2141, 0.2909** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.7270, 0.6277, 0.3398**, and the grayscale version is **10.9427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1097, 0.2354, 0.3004**, and **6.6004, 0.2099, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **18.1062, 0.2141, 0.2909**, and if you desaturate by 10%, it is **18.6887, 0.2173, 0.2950**.

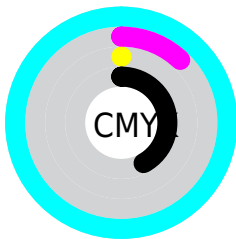
Distribution



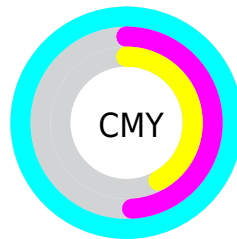
- Red (0%)
- Green (51%)
- Blue (58%)



- Red (0%)
- Yellow (27%)
- Blue (58%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (42%)





- Cyan (100%)
- Magenta (49%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1034, 0.2141, 0.2909 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 18.1034, 0.2141, 0.2909 by changing the saturation by 10% instead.


 18.1034, 0.2141,
0.2909


 18.1034, 0.2141,
0.2909


 241.4532, 0.2690,
0.3144


 11.0242, 0.1985,
0.2831


 40.2134, 0.2355,
0.3008


 6.0831, 0.1773,
0.2715

 56.0131, 0.2430,
0.3040

 2.8957, 0.1475,
0.2531

 75.4884, 0.2493,
0.3067

 1.0775, 0.0929,
0.2235

 99.0237, 0.2545,
0.3088

 0.0000, 0.0000,
0.0000

 127.0035, 0.2590,
0.3105

 159.8121, 0.2628,

0.3120

197.8338, 0.2661,
0.3133

■ 18.1034, 0.2141,
0.2909

■ 18.1034, 0.2141,
0.2909

■ 18.1062, 0.2141,
0.2909

■ 18.6887, 0.2173,
0.2950

■ 19.3498, 0.2217,
0.2992

■ 20.1235, 0.2279,
0.3033

■ 21.0229, 0.2360,
0.3075

■ 22.0592, 0.2457,
0.3115

■ 23.2422, 0.2570,
0.3154

■ 24.5809, 0.2697,
0.3192

■ 26.0834, 0.2834,
0.3227

■ 27.7574, 0.2978,
0.3260

Harmonies

Analogous

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



18.1034, 0.2367, 0.3448



18.1034, 0.2141, 0.2909



18.1034, 0.2151, 0.2547

Triad

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



18.1034, 0.2141, 0.2909



18.1034, 0.3396, 0.2711



18.1034, 0.3860, 0.4246

Complementary

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



18.1034, 0.2141, 0.2909



6.7270, 0.6277, 0.3398

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.



18.1034, 0.4192, 0.3936



18.1034, 0.2141, 0.2909



18.1034, 0.3926, 0.3079

Square

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



18.1034, 0.2141, 0.2909



18.1034, 0.2830, 0.2471



18.1034, 0.4225, 0.3512



18.1034, 0.3347, 0.4296

Rectangle

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



18.1034, 0.2141, 0.2909



18.1034, 0.2285, 0.2429



18.1034, 0.4225, 0.3512



18.1034, 0.3997, 0.4163

Sweetspot

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



18.1062, 0.2141, 0.2909



43.2279, 0.2689, 0.3190



21.2184, 0.2971, 0.5897



9.6553, 0.2639, 0.3175



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



18.1062, 0.2141, 0.2909



31.7835, 0.2139, 0.2901



5.0375, 0.1679, 0.1245



6.4432, 0.2990, 0.3262



15.4940, 0.2142, 0.2912



0.2169, 0.2198, 0.3113

Inverse Universe

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



7.9071, 0.3535, 0.1721



13.9365, 0.3542, 0.1725



13.8220, 0.5052, 0.4371



5.8972, 0.3155, 0.3098



6.7575, 0.3533, 0.1720



0.0855, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 18.1034, 0.2141, 0.2909 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 18.1034, 0.2141, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

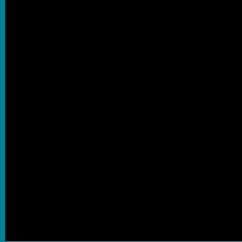
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1034, 0.2141, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 18.1034, 0.2141, 0.2909.

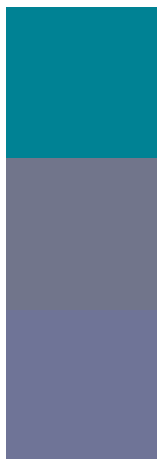


This preview shows how white text looks on a background with the Yxy color 18.1034, 0.2141, 0.2909.

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

18.1034, 0.2141, 0.2909

Protanopia

18.0974, 0.2835, 0.2877

Deuteranopia

18.1047, 0.2692, 0.2651



Tritanopia

18.1557, 0.2187, 0.3072

Trichromacy



Original Color

18.1034, 0.2141, 0.2909

Protanomaly

17.2498, 0.2422, 0.2879

Deuteranomaly

17.2163, 0.2351, 0.2709

Tritanomaly

18.2462, 0.2170, 0.3010

Monochromacy



Original Color

18.1034, 0.2141, 0.2909

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.4301, 0.2493, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1034, 0.2141, 0.2909 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 148) }
```

Border

The CSS property to change the border of an element to Yxy 18.1034, 0.2141, 0.2909 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, 148) }
```

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

```
.border{ border-color:rgb(0, 130, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1034, 0.2141, 0.2909 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, 148) }
```

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

```
.background{ background-color: rgb(0, 130,  
148) }
```

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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