

Converting Colors

$Yxy(16.2649, 0.2146, 0.2924)$

Have a look what the booklet for
Yxy(16.2649, 0.2146, 0.2924)
contains.

Yxy(16.3088, 0.2149, 0.2934)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.3088, 0.2149, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	007C8C
RGB	0, 124, 140
RGB Percent	0%, 49%, 55%
CMY	0.9984, 0.5138, 0.4510
CMYK	1.00, 0.11, 0.00, 0.45
HSL	187°, 99%, 28%
HSV	187°, 100%, 55%
XYZ	11.9453, 16.3088, 27.3314
YIQ	88.7480, -79.0400, -21.3120

Conversions

Conversions Part 2

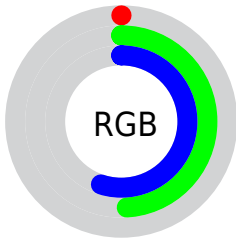
Format	Color
RYB	0, 66, 140
Decimal	31884
CIELab	47.38, -22.73, -16.89
CIELCh	47, 28.316, 216.623
Yxy	16.3088, 0.2149, 0.2934
Android (android.graphics.Color)	4278221964 (0xFF007C8C)
YUV	88.7480, 25.2672, -77.8320
Hunter-Lab	40.3842, -17.8733, -11.8577

Details

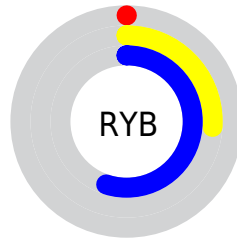
The Yxy color **16.3088, 0.2149, 0.2934** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.9605, 0.6273, 0.3396**, and the grayscale version is **9.9158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2241, 0.2367, 0.3026**, and **5.7703, 0.2108, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **16.2946, 0.2148, 0.2933**, and if you desaturate by 10%, it is **16.8093, 0.2181, 0.2973**.

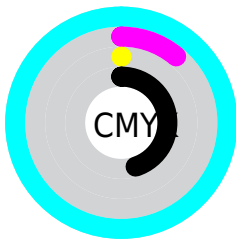
Distribution



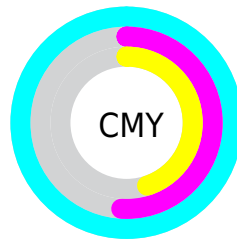
- Red (0%)
- Green (49%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (51%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3088, 0.2149, 0.2934 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 16.3088, 0.2149, 0.2934 by changing the saturation by 10% instead.

16.3088, 0.2149,
0.2934

16.3088, 0.2149,
0.2934

231.1570, 0.2702,
0.3158

9.7429, 0.1987,
0.2856

37.1335, 0.2367,
0.3030

5.2288, 0.1765,
0.2740

52.1611, 0.2444,
0.3061

2.3822, 0.1446,
0.2548

70.7780, 0.2506,
0.3085

0.8167, 0.0618,
0.2278

93.3687, 0.2559,
0.3105

0.0000, 0.0000,
0.0000

120.3176, 0.2603,
0.3122

152.0090, 0.2641,

0.3136

188.8274, 0.2674,
0.3148

■ 16.3088, 0.2149,
0.2934

■ 16.3088, 0.2149,
0.2934

■ 16.2946, 0.2148,
0.2933

■ 16.8093, 0.2181,
0.2973

■ 17.3779, 0.2225,
0.3011

■ 18.0453, 0.2287,
0.3050

■ 18.8228, 0.2368,
0.3089

■ 19.7202, 0.2465,
0.3127

■ 20.7459, 0.2578,
0.3164

■ 21.9076, 0.2703,
0.3199

■ 23.2126, 0.2839,
0.3232

■ 24.6674, 0.2983,
0.3263

Harmonies

Analogous

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



16.3088, 0.2386, 0.3478



16.3088, 0.2149, 0.2934



16.3088, 0.2147, 0.2562

Triad

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



16.3088, 0.2149, 0.2934



16.3088, 0.3366, 0.2696



16.3088, 0.3880, 0.4233

Complementary

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



16.3088, 0.2149, 0.2934



5.9605, 0.6273, 0.3396

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.



16.3088, 0.4199, 0.3914



16.3088, 0.2149, 0.2934



16.3088, 0.3901, 0.3059

Square

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



16.3088, 0.2149, 0.2934



16.3088, 0.2805, 0.2465



16.3088, 0.4215, 0.3489



16.3088, 0.3374, 0.4300

Rectangle

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



16.3088, 0.2149, 0.2934



16.3088, 0.2274, 0.2436



16.3088, 0.4215, 0.3489



16.3088, 0.4014, 0.4147

Sweetspot

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



16.3094, 0.2149, 0.2934



38.4192, 0.2691, 0.3196



18.7935, 0.2975, 0.5907



8.6723, 0.2643, 0.3183



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.



16.3094, 0.2149, 0.2934



28.5762, 0.2146, 0.2925



4.7494, 0.1698, 0.1308



5.5923, 0.2991, 0.3264



14.4952, 0.2149, 0.2935



0.1092, 0.2201, 0.3123

Inverse Universe

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



7.0401, 0.3513, 0.1710



12.3776, 0.3521, 0.1713



11.9442, 0.5087, 0.4339



5.1193, 0.3153, 0.3099



6.2475, 0.3512, 0.1708



0.0428, 0.3347, 0.1618

Previews

White Background



This preview shows how the Yxy color 16.3088, 0.2149, 0.2934 looks on a white background.

Color Contrast Check

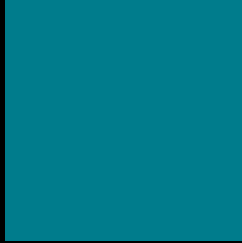
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3088, 0.2149, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

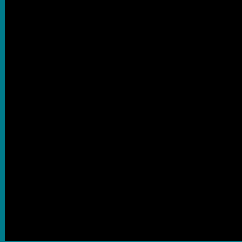
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3088, 0.2149, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 16.3088, 0.2149, 0.2934.

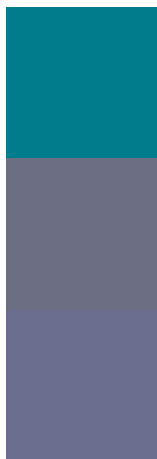


This preview shows how white text looks on a background with the Yxy color 16.3088, 0.2149, 0.2934.

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

16.3088, 0.2149, 0.2934

Protanopia

16.1957, 0.2855, 0.2896

Deuteranopia

16.2608, 0.2716, 0.2661



Tritanopia

16.4165, 0.2184, 0.3063

Trichromacy



Original Color

16.3088, 0.2149, 0.2934

Protanomaly

15.4772, 0.2438, 0.2902

Deuteranomaly

15.4434, 0.2363, 0.2723

Tritanomaly

16.4734, 0.2172, 0.3020

Monochromacy



Original Color

16.3088, 0.2149, 0.2934

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.4553, 0.2504, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3088, 0.2149, 0.2934 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, 124, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 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, 124, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 140) }
```

Border

The CSS property to change the border of an element to Yxy 16.3088, 0.2149, 0.2934 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, 124, 140) }
```

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

```
.border{ border-color:rgb(0, 124, 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, 124, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3088, 0.2149, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 140) }
```

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

```
.background{ background-color: rgb(0, 124,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor