

Converting Colors

$Yxy(17.4966, 0.2128, 0.2860)$

Have a look what the booklet for
Yxy(17.4966, 0.2128, 0.2860)
contains.

Yxy(17.5765, 0.2129, 0.2864)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5765, 0.2129, 0.2864)

Conversions

Conversions Part 1

Format	Color
Hex	008094
RGB	0, 128, 148
RGB Percent	0%, 50%, 58%
CMY	0.9998, 0.4980, 0.4195
CMYK	1.00, 0.14, 0.00, 0.42
HSL	188°, 100%, 29%
HSV	188°, 100%, 58%
XYZ	13.0658, 17.5765, 30.7282
YIQ	92.0080, -82.7080, -20.9160

Conversions

Conversions Part 2

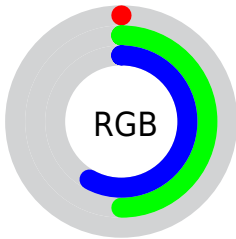
Format	Color
RYB	0, 69, 148
Decimal	32916
CIELab	48.98, -22.03, -19.15
CIELCh	49, 29.193, 221.006
Yxy	17.5765, 0.2129, 0.2864
Android (android.graphics.Color)	4278222996 (0xFF008094)
YUV	92.0080, 27.6041, -80.6910
Hunter-Lab	41.9243, -17.7378, -14.1092

Details

The Yxy color **17.5765, 0.2129, 0.2864** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.8002, 0.6257, 0.3413**, and the grayscale version is **10.6573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2904, 0.2348, 0.2973**, and **6.3118, 0.2081, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **17.5754, 0.2129, 0.2864**, and if you desaturate by 10%, it is **18.2047, 0.2162, 0.2910**.

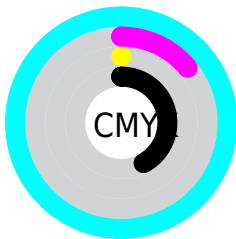
Distribution



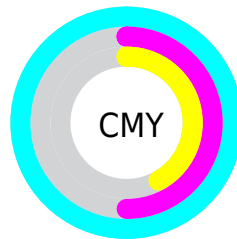
- Red (0%)
- Green (50%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (50%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5765, 0.2129, 0.2864 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 17.5765, 0.2129, 0.2864 by changing the saturation by 10% instead.

■ 17.5765, 0.2129,
0.2864

■ 17.5765, 0.2129,
0.2864

■ 238.4730, 0.2686,
0.3125

■ 10.6464, 0.1970,
0.2777

■ 39.3144, 0.2346,
0.2973

■ 5.8296, 0.1754,
0.2650

■ 54.8909, 0.2423,
0.3010

■ 2.7417, 0.1449,
0.2449

■ 74.1183, 0.2487,
0.3039

■ 0.9984, 0.0869,
0.2132

■ 97.3810, 0.2540,
0.3063

■ 0.0000, 0.0000,
0.0000

■ 125.0635, 0.2585,
0.3082

■ 157.5500, 0.2623,

0.3099

195.2251, 0.2657,
0.3113

■ 17.5765, 0.2129,
0.2864

■ 17.5765, 0.2129,
0.2864

■ 17.5754, 0.2129,
0.2864

■ 18.2047, 0.2162,
0.2910

■ 18.9131, 0.2208,
0.2957

■ 19.7362, 0.2272,
0.3003

■ 20.6870, 0.2354,
0.3050

■ 21.7769, 0.2454,
0.3095

■ 23.0155, 0.2568,
0.3139

■ 24.4120, 0.2696,
0.3181

■ 25.9746, 0.2834,
0.3220

■ 27.7107, 0.2978,
0.3257

Harmonies

Analogous

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



17.5765, 0.2333, 0.3393



17.5765, 0.2129, 0.2864



17.5765, 0.2161, 0.2522

Triad

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



17.5765, 0.2129, 0.2864



17.5765, 0.3452, 0.2740



17.5765, 0.3818, 0.4267

Complementary

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



17.5765, 0.2129, 0.2864



6.8002, 0.6257, 0.3413

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.



17.5765, 0.4174, 0.3974



17.5765, 0.2129, 0.2864



17.5765, 0.3969, 0.3118

Square

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



17.5765, 0.2129, 0.2864



17.5765, 0.2880, 0.2485



17.5765, 0.4240, 0.3555



17.5765, 0.3294, 0.4286

Rectangle

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



17.5765, 0.2129, 0.2864



17.5765, 0.2310, 0.2417



17.5765, 0.4240, 0.3555



17.5765, 0.3962, 0.4192

Sweetspot

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



17.5771, 0.2129, 0.2864



42.8993, 0.2688, 0.3178



21.2355, 0.2966, 0.5876



9.5715, 0.2638, 0.3162



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.



17.5771, 0.2129, 0.2864



30.8190, 0.2126, 0.2855



4.8053, 0.1667, 0.1199



6.4298, 0.2990, 0.3259



15.0369, 0.2130, 0.2867



0.2138, 0.2192, 0.3092

Inverse Universe

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



7.8570, 0.3576, 0.1744



13.8392, 0.3584, 0.1748



14.2605, 0.5006, 0.4407



5.8958, 0.3157, 0.3101



6.7113, 0.3573, 0.1742



0.0851, 0.3374, 0.1633

Previews

White Background



This preview shows how the Yxy color 17.5765, 0.2129, 0.2864 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 17.5765, 0.2129, 0.2864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

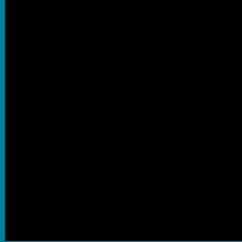
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5765, 0.2129, 0.2864

Background



This preview shows how black text looks on a background with the Yxy color 17.5765, 0.2129, 0.2864.



This preview shows how white text looks on a background with the Yxy color 17.5765, 0.2129, 0.2864.

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

17.5765, 0.2129, 0.2864

Protanopia

17.5051, 0.2810, 0.2835

Deuteranopia

17.4571, 0.2657, 0.2607



Tritanopia

17.5646, 0.2186, 0.3069

Trichromacy



Original Color

17.5765, 0.2129, 0.2864

Protanomaly

16.7255, 0.2407, 0.2835

Deuteranomaly

16.6609, 0.2328, 0.2665

Tritanomaly

17.6535, 0.2169, 0.3007

Monochromacy



Original Color

17.5765, 0.2129, 0.2864

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 17.5765, 0.2129, 0.2864 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 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, 128, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 148) }
```

Border

The CSS property to change the border of an element to Yxy 17.5765, 0.2129, 0.2864 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, 148) }
```

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

```
.border{ border-color:rgb(0, 128, 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, 128, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5765, 0.2129, 0.2864 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, 148) }
```

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

```
.background{ background-color: rgb(0, 128,  
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](#).

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