

Converting Colors

$Yxy(16.8957, 0.2260, 0.3294)$

Have a look what the booklet for
Yxy(16.8957, 0.2260, 0.3294)
contains.

Yxy(17.0158, 0.2264, 0.3310)	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(17.0158, 0.2264, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	07807F
RGB	7, 128, 127
RGB Percent	3%, 50%, 50%
CMY	0.9722, 0.4980, 0.5019
CMYK	0.94, 0.00, 0.01, 0.50
HSL	180°, 90%, 26%
HSV	180°, 94%, 50%
XYZ	11.6386, 17.0158, 22.7528
YIQ	91.7070, -71.7950, -25.9630

Conversions

Conversions Part 2

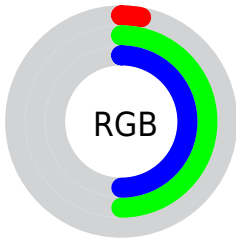
Format	Color
RYB	7, 68, 128
Decimal	491647
CIELab	48.28, -28.78, -7.86
CIELCh	48, 29.833, 195.267
Yxy	17.0158, 0.2264, 0.3310
Android (android.graphics.Color)	4278681727 (0xFF07807F)
YUV	91.7070, 17.3994, -74.2880
Hunter-Lab	41.2502, -21.8247, -3.8281

Details

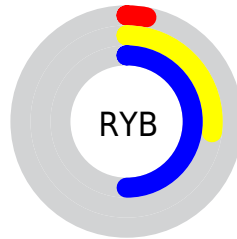
The Yxy color **17.0158, 0.2264, 0.3310** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **4.7604, 0.6241, 0.3293**, and the grayscale version is **10.6090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2279, 0.2456, 0.3304**, and **5.9988, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **16.9693, 0.2253, 0.3311**, and if you desaturate by 10%, it is **17.1209, 0.2288, 0.3308**.

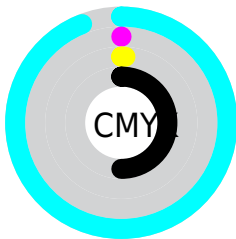
Distribution



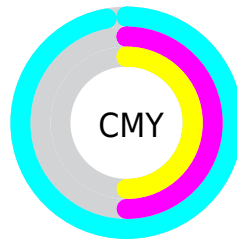
- Red (3%)
- Green (50%)
- Blue (50%)



- Red (3%)
- Yellow (27%)
- Blue (50%)



- Cyan (94%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)





- Cyan (97%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0158, 0.2264, 0.3310 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 17.0158, 0.2264, 0.3310 by changing the saturation by 10% instead.


 17.0158, 0.2264,
0.3310


 17.0158, 0.2264,
0.3310


 235.2634, 0.2756,
0.3311


 10.2458, 0.2117,
0.3303


 38.3529, 0.2459,
0.3314


 5.5622, 0.1913,
0.3286

 53.6888, 0.2527,
0.3315

 2.5808, 0.1611,
0.3247

 72.6488, 0.2583,
0.3314

 0.9170, 0.0612,
0.3325

 95.6172, 0.2629,
0.3314

 0.0000, 0.0000,
0.0000

 122.9785, 0.2668,
0.3313

 155.1170, 0.2702,

0.3312

192.4172, 0.2730,
0.3311

■ 17.0158, 0.2264,
0.3310

■ 17.0158, 0.2264,
0.3310

■ 16.9693, 0.2253,
0.3311

■ 17.1209, 0.2288,
0.3308

■ 17.2943, 0.2328,
0.3305

■ 17.5477, 0.2385,
0.3303

■ 17.8896, 0.2461,
0.3300

■ 18.3269, 0.2553,
0.3298

■ 18.8663, 0.2662,
0.3296

■ 19.5136, 0.2784,
0.3294

■ 20.2742, 0.2918,
0.3292

■ 21.1532, 0.3061,
0.3291

Harmonies

Analogous

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



17.0158, 0.2666, 0.3901



17.0158, 0.2264, 0.3310



17.0158, 0.2090, 0.2785

Triad

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



17.0158, 0.2264, 0.3310



17.0158, 0.2951, 0.2489



17.0158, 0.4171, 0.4046

Complementary

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



17.0158, 0.2264, 0.3310



4.7604, 0.6241, 0.3293

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.



17.0158, 0.4288, 0.3624



17.0158, 0.2264, 0.3310



17.0158, 0.3546, 0.2772

Square

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



17.0158, 0.2264, 0.3310



17.0158, 0.2455, 0.2375



17.0158, 0.4056, 0.3173



17.0158, 0.3768, 0.4322

Rectangle

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



17.0158, 0.2264, 0.3310



17.0158, 0.2108, 0.2547



17.0158, 0.4056, 0.3173



17.0158, 0.4247, 0.3915

Sweetspot

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



17.0164, 0.2264, 0.3310



33.8578, 0.2732, 0.3295



15.5124, 0.3008, 0.5928



7.8303, 0.2687, 0.3296



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.0164, 0.2264, 0.3310



29.8762, 0.2253, 0.3312



5.9288, 0.1845, 0.1779



4.8863, 0.2994, 0.3291



16.8264, 0.2253, 0.3311



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.7604, 0.6241, 0.3293



8.0830, 0.6391, 0.3294



8.4455, 0.5281, 0.4106



4.3448, 0.3277, 0.3289



4.5528, 0.6387, 0.3292



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.0158, 0.2264, 0.3310 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 17.0158, 0.2264, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

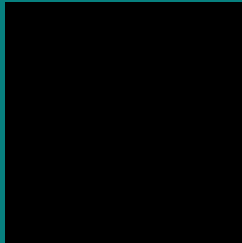
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.0158, 0.2264, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 17.0158, 0.2264, 0.3310.



This preview shows how white text looks on a background with the Yxy color 17.0158, 0.2264, 0.3310.

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

17.0158, 0.2264, 0.3310

Protanopia

16.7631, 0.3093, 0.3191

Deuteranopia

16.7895, 0.2966, 0.2909



Tritanopia

17.1916, 0.2232, 0.3069

Trichromacy



Original Color

17.0158, 0.2264, 0.3310

Protanomaly

15.8738, 0.2621, 0.3223

Deuteranomaly

15.9121, 0.2545, 0.3011

Tritanomaly

17.0008, 0.2239, 0.3154

Monochromacy



Original Color

17.0158, 0.2264, 0.3310

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.1152, 0.2586, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0158, 0.2264, 0.3310 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(7, 128, 127)` looks like.

```
.text, #text, p{  
    color:rgb(7, 128, 127)  
}
```

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(7, 128, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 128, 127) }
```

Border

The CSS property to change the border of an element to Yxy 17.0158, 0.2264, 0.3310 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(7, 128, 127) }
```

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

```
.border{ border-color:rgb(7, 128, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 128, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 128, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 128, 127);  
box-shadow:4px 4px 4px 4px rgb(7, 128,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0158, 0.2264, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 128, 127) }
```

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

```
.background{ background-color: rgb(7, 128,  
127) }
```

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