

Converting Colors

$Yxy(20.8553, 0.2410, 0.3876)$

Have a look what the booklet for
 $Y_{xy}(20.8553, 0.2410, 0.3876)$
contains.

$Y_{xy}(20.9059, 0.2414, 0.3889)$	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(20.9059, 0.2414, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	008F74
RGB	0, 143, 116
RGB Percent	0%, 56%, 45%
CMY	0.9991, 0.4392, 0.5451
CMYK	1.00, 0.00, 0.19, 0.44
HSL	169°, 100%, 28%
HSV	169°, 100%, 56%
XYZ	12.9768, 20.9059, 19.8738
YIQ	97.1650, -76.5610, -38.7130

Conversions

Conversions Part 2

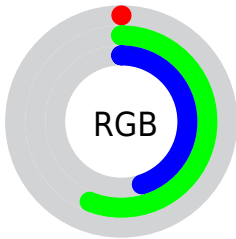
Format	Color
RYB	0, 79, 143
Decimal	36724
CIELab	52.85, -39.29, 5.25
CIELCh	53, 39.639, 172.388
Yxy	20.9059, 0.2414, 0.3889
Android (android.graphics.Color)	4278226804 (0xFF008F74)
YUV	97.1650, 9.2857, -85.2137
Hunter-Lab	45.7230, -29.3544, 6.2353

Details

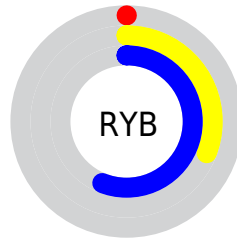
The Yxy color **20.9059, 0.2414, 0.3889** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.9247, 0.6055, 0.3111**, and the grayscale version is **12.0052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1001, 0.2574, 0.3754**, and **8.0716, 0.2471, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **20.9042, 0.2414, 0.3890**, and if you desaturate by 10%, it is **21.0667, 0.2417, 0.3822**.

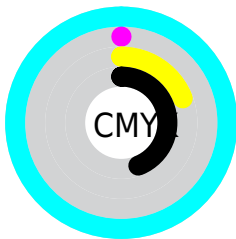
Distribution



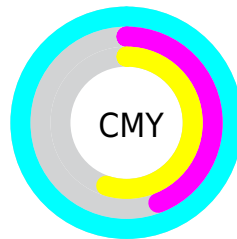
- Red (0%)
- Green (56%)
- Blue (45%)



- Red (0%)
- Yellow (31%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9059, 0.2414, 0.3889 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 20.9059, 0.2414, 0.3889 by changing the saturation by 10% instead.


 20.9059, 0.2414,
0.3889


 20.9059, 0.2414,
0.3889


256.7780, 0.2819,
0.3542


 13.0552, 0.2293,
0.3997


 44.9309, 0.2575,
0.3749

 7.4666, 0.2123,
0.4151


 61.8740, 0.2631,
0.3701

 3.7556, 0.1870,
0.4389

 82.6167, 0.2677,
0.3662

 1.5378, 0.1255,
0.4915

 107.5434, 0.2715,
0.3629

 0.3151, 0.0000,
1.0000

 137.0384, 0.2747,
0.3602

 0.0000, 0.0000,
0.0000

 171.4863, 0.2775,

0.3579

211.2714, 0.2799,
0.3559

■ 20.9059, 0.2414,
0.3889

■ 20.9059, 0.2414,
0.3889

■ 20.9042, 0.2414,
0.3890

■ 21.0667, 0.2417,
0.3822

■ 21.2935, 0.2434,
0.3756

■ 21.6188, 0.2469,
0.3689

■ 22.0544, 0.2522,
0.3623

■ 22.6105, 0.2593,
0.3559

■ 23.2963, 0.2679,
0.3498

■ 24.1198, 0.2778,
0.3439

■ 25.0885, 0.2888,
0.3385

■ 26.2094, 0.3006,
0.3335

Harmonies

Analogous

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



20.9059, 0.3049, 0.4486



20.9059, 0.2414, 0.3889



20.9059, 0.2000, 0.3126

Triad

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



20.9059, 0.2414, 0.3889



20.9059, 0.2428, 0.2201



20.9059, 0.4562, 0.3794

Complementary

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



20.9059, 0.2414, 0.3889



5.9247, 0.6055, 0.3111

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.



20.9059, 0.4388, 0.3255



20.9059, 0.2414, 0.3889



20.9059, 0.3071, 0.2390

Square

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



20.9059, 0.2414, 0.3889



20.9059, 0.2016, 0.2238



20.9059, 0.3813, 0.2762



20.9059, 0.4304, 0.4296

Rectangle

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



20.9059, 0.2414, 0.3889



20.9059, 0.1882, 0.2704



20.9059, 0.3813, 0.2762



20.9059, 0.4555, 0.3614

Sweetspot

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



20.9067, 0.2414, 0.3889



43.0694, 0.2770, 0.3444



19.9029, 0.3079, 0.5936



9.7438, 0.2731, 0.3466



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.9067, 0.2414, 0.3889



37.4137, 0.2418, 0.3904



11.1313, 0.1974, 0.2305



6.0991, 0.3014, 0.3332



18.4868, 0.2413, 0.3887



0.1797, 0.2325, 0.3569

Inverse Universe

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



5.9247, 0.6055, 0.3111



10.5805, 0.6104, 0.3136



7.5722, 0.5922, 0.3677



5.4397, 0.3254, 0.3249



5.2360, 0.6049, 0.3106



0.0525, 0.5122, 0.2595

Previews

White Background



This preview shows how the Yxy color 20.9059, 0.2414, 0.3889 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 20.9059, 0.2414, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

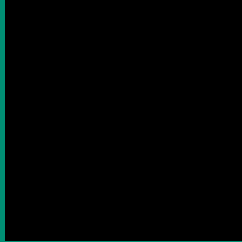
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9059, 0.2414, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 20.9059, 0.2414, 0.3889.



This preview shows how white text looks on a background with the Yxy color 20.9059, 0.2414, 0.3889.

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

20.9059, 0.2414, 0.3889

Protanopia

20.6343, 0.3421, 0.3620

Deuteranopia

20.5442, 0.3353, 0.3291



Tritanopia

20.8712, 0.2270, 0.3048

Trichromacy



Original Color

20.9059, 0.2414, 0.3889



Protanomaly

19.5131, 0.2832, 0.3754



Deuteranomaly

19.1563, 0.2792, 0.3496



Tritanomaly

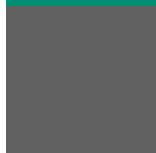
20.8242, 0.2305, 0.3329

Monochromacy



Original Color

20.9059, 0.2414, 0.3889



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.0582, 0.2638, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9059, 0.2414, 0.3889 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, 143, 116)` looks like.

```
.text, #text, p{  
  color:rgb(0, 143, 116)  
}
```

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, 143, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 116) }
```

Border

The CSS property to change the border of an element to Yxy 20.9059, 0.2414, 0.3889 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, 143, 116) }
```

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

```
.border{ border-color:rgb(0, 143, 116) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9059, 0.2414, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 116) }
```

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

```
.background{ background-color: rgb(0, 143,  
116) }
```

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