

Converting Colors

$Yxy(19.8203, 0.2146, 0.3829)$

Have a look what the booklet for
Yxy(19.8203, 0.2146, 0.3829)
contains.

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Color

Yxy(20.9768, 0.2394, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	008F77
RGB	0, 143, 119
RGB Percent	0%, 56%, 47%
CMY	0.9998, 0.4392, 0.5333
CMYK	1.00, 0.00, 0.17, 0.44
HSL	170°, 100%, 28%
HSV	170°, 100%, 56%
XYZ	13.1531, 20.9768, 20.8120
YIQ	97.5070, -77.5240, -37.7800

Conversions

Conversions Part 2

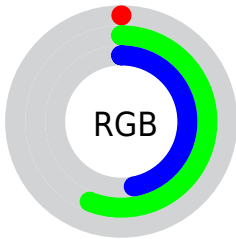
Format	Color
RYB	0, 78, 143
Decimal	36727
CIELab	52.92, -38.46, 3.63
CIElCh	53, 38.635, 174.613
Yxy	20.9768, 0.2394, 0.3818
Android (android.graphics.Color)	4278226807 (0xFF008F77)
YUV	97.5070, 10.5960, -85.5136
Hunter-Lab	45.8004, -28.8887, 5.1186

Details

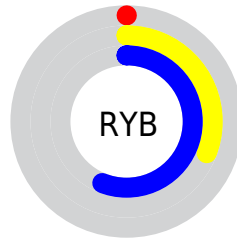
The Yxy color **20.9768, 0.2394, 0.3818** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.9069, 0.6113, 0.3142**, and the grayscale version is **12.0773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2597, 0.2561, 0.3705**, and **8.1092, 0.2441, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **20.9771, 0.2394, 0.3818**, and if you desaturate by 10%, it is **21.1319, 0.2399, 0.3760**.

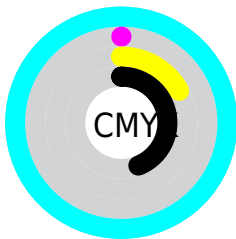
Distribution



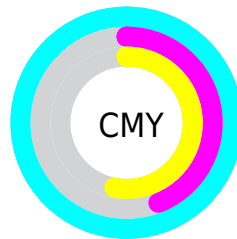
- Red (0%)
- Green (56%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9768, 0.2394, 0.3818 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 20.9768, 0.2394, 0.3818 by changing the saturation by 10% instead.


 20.9768, 0.2394,
0.3818


 20.9768, 0.2394,
0.3818


 257.1552, 0.2809,
0.3515


 13.1070, 0.2271,
0.3911


 45.0489, 0.2558,
0.3696

 7.5023, 0.2100,
0.4042


 62.0201, 0.2616,
0.3654


 3.7782, 0.1846,
0.4243

 82.7938, 0.2662,
0.3620

 1.5503, 0.1269,
0.4674

 107.7545, 0.2702,
0.3592

 0.3237, 0.0000,
0.7660

 137.2866, 0.2735,
0.3568

 0.0000, 0.0000,
0.0000

 171.7745, 0.2763,

0.3547

211.6026, 0.2787,
0.3530

■ 20.9768, 0.2394,
0.3818

■ 20.9768, 0.2394,
0.3818

■ 20.9771, 0.2394,
0.3818

■ 21.1319, 0.2399,
0.3760

■ 21.3517, 0.2417,
0.3701

■ 21.6694, 0.2454,
0.3643

■ 22.0969, 0.2508,
0.3585

■ 22.6445, 0.2580,
0.3528

■ 23.3212, 0.2668,
0.3474

■ 24.1351, 0.2769,
0.3423

■ 25.0937, 0.2881,
0.3375

■ 26.2041, 0.3002,
0.3330

Harmonies

Analogous

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



20.9768, 0.3003, 0.4422



20.9768, 0.2394, 0.3818



20.9768, 0.2008, 0.3081

Triad

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



20.9768, 0.2394, 0.3818



20.9768, 0.2485, 0.2232



20.9768, 0.4521, 0.3826

Complementary

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



20.9768, 0.2394, 0.3818



5.9069, 0.6113, 0.3142

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.



20.9768, 0.4382, 0.3297



20.9768, 0.2394, 0.3818



20.9768, 0.3127, 0.2431

Square

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



20.9768, 0.2394, 0.3818



20.9768, 0.2063, 0.2252



20.9768, 0.3846, 0.2808



20.9768, 0.4244, 0.4306

Rectangle

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



20.9768, 0.2394, 0.3818



20.9768, 0.1905, 0.2682



20.9768, 0.3846, 0.2808



20.9768, 0.4524, 0.3650

Sweetspot

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



20.9776, 0.2394, 0.3818



43.1165, 0.2762, 0.3426



19.8682, 0.3069, 0.5945



9.7559, 0.2723, 0.3445



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.



20.9776, 0.2394, 0.3818



37.5447, 0.2397, 0.3830



10.6689, 0.1957, 0.2245



6.1010, 0.3011, 0.3327



18.5502, 0.2393, 0.3815



0.1800, 0.2315, 0.3535

Inverse Universe

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



5.9069, 0.6113, 0.3142



10.5581, 0.6156, 0.3165



7.7408, 0.5884, 0.3709



5.4379, 0.3257, 0.3253



5.2239, 0.6104, 0.3136



0.0522, 0.5231, 0.2656

Previews

White Background



This preview shows how the Yxy color 20.9768, 0.2394, 0.3818 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 20.9768, 0.2394, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

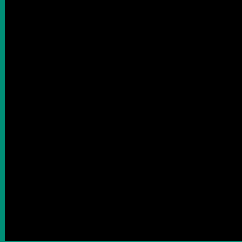
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9768, 0.2394, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 20.9768, 0.2394, 0.3818.



This preview shows how white text looks on a background with the Yxy color 20.9768, 0.2394, 0.3818.

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

20.9768, 0.2394, 0.3818

Protanopia

20.6986, 0.3386, 0.3564

Deuteranopia

20.8633, 0.3315, 0.3256



Tritanopia

21.1387, 0.2272, 0.3068

Trichromacy



Original Color

20.9768, 0.2394, 0.3818

Protanomaly

19.5796, 0.2805, 0.3688

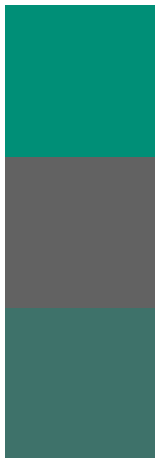
Deuteranomaly

19.4451, 0.2756, 0.3453

Tritanomaly

20.8399, 0.2296, 0.3308

Monochromacy



Original Color

20.9768, 0.2394, 0.3818

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

14.0994, 0.2618, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9768, 0.2394, 0.3818 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 119) }
```

Border

The CSS property to change the border of an element to Yxy 20.9768, 0.2394, 0.3818 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, 119) }
```

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

```
.border{ border-color:rgb(0, 143, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9768, 0.2394, 0.3818 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, 119) }
```

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

```
.background{ background-color: rgb(0, 143,  
119) }
```

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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