

Converting Colors

$Yxy(17.8728, 0.1933, 0.4020)$

Have a look what the booklet for
Yxy(17.8728, 0.1933, 0.4020)
contains.

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Color

Yxy(19.6129, 0.2425, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	008B6F
RGB	0, 139, 111
RGB Percent	0%, 55%, 44%
CMY	1.0000, 0.4549, 0.5646
CMYK	1.00, 0.00, 0.20, 0.45
HSL	168°, 100%, 27%
HSV	168°, 100%, 55%
XYZ	12.1021, 19.6129, 18.1906
YIQ	94.2470, -73.8560, -38.1760

Conversions

Conversions Part 2

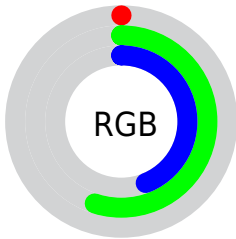
Format	Color
RYB	0, 77, 139
Decimal	35695
CIELab	51.40, -38.96, 6.05
CIElCh	51, 39.428, 171.174
Yxy	19.6129, 0.2425, 0.3930
Android (android.graphics.Color)	4278225775 (0xFF008B6F)
YUV	94.2470, 8.2592, -82.6546
Hunter-Lab	44.2865, -28.7228, 6.6472

Details

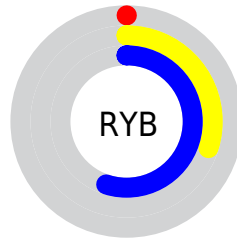
The Yxy color **19.6129, 0.2425, 0.3930** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.5729, 0.6021, 0.3091**, and the grayscale version is **11.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6233, 0.2584, 0.3765**, and **7.3383, 0.2491, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **19.6138, 0.2425, 0.3930**, and if you desaturate by 10%, it is **19.7690, 0.2428, 0.3859**.

Distribution



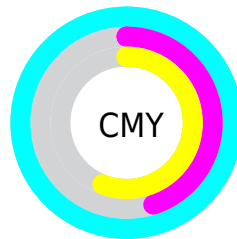
- Red (0%)
- Green (55%)
- Blue (44%)



- Red (0%)
- Yellow (30%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6129, 0.2425, 0.3930 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 19.6129, 0.2425, 0.3930 by changing the saturation by 10% instead.


 19.6129, 0.2425,
0.3930


 19.6129, 0.2425,
0.3930


249.8117, 0.2829,
0.3554


 12.1140, 0.2302,
0.4049


 42.7672, 0.2587,
0.3777

 6.8213, 0.2127,
0.4222


 59.1914, 0.2643,
0.3724


 3.3506, 0.1863,
0.4495

 79.3595, 0.2689,
0.3682

 1.3174, 0.0986,
0.5235

 103.6558, 0.2726,
0.3648

 0.1546, 0.0000,
1.0000

 132.4648, 0.2758,
0.3619

 0.0000, 0.0000,
0.0000

 166.1709, 0.2785,

0.3594

205.1584, 0.2809,
0.3573

■ 19.6129, 0.2425,
0.3930

■ 19.6129, 0.2425,
0.3930

■ 19.6138, 0.2425,
0.3930

■ 19.7690, 0.2428,
0.3859

■ 19.9851, 0.2444,
0.3787

■ 20.2935, 0.2478,
0.3716

■ 20.7054, 0.2530,
0.3646

■ 21.2303, 0.2599,
0.3577

■ 21.8765, 0.2684,
0.3512

■ 22.6518, 0.2782,
0.3450

■ 23.5630, 0.2890,
0.3392

■ 24.6168, 0.3006,
0.3339

Harmonies

Analogous

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



19.6129, 0.3074, 0.4523



19.6129, 0.2425, 0.3930



19.6129, 0.1996, 0.3151

Triad

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



19.6129, 0.2425, 0.3930



19.6129, 0.2395, 0.2183



19.6129, 0.4586, 0.3777

Complementary

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



19.6129, 0.2425, 0.3930



5.5729, 0.6021, 0.3091

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.



19.6129, 0.4391, 0.3232



19.6129, 0.2425, 0.3930



19.6129, 0.3040, 0.2366

Square

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



19.6129, 0.2425, 0.3930



19.6129, 0.1990, 0.2230



19.6129, 0.3794, 0.2736



19.6129, 0.4338, 0.4290

Rectangle

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



19.6129, 0.2425, 0.3930



19.6129, 0.1869, 0.2716



19.6129, 0.3794, 0.2736



19.6129, 0.4573, 0.3594

Sweetspot

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



19.6138, 0.2425, 0.3930



40.4664, 0.2775, 0.3454



18.7436, 0.3091, 0.5928



9.2001, 0.2738, 0.3477



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.



19.6138, 0.2425, 0.3930



35.1000, 0.2429, 0.3945



10.9054, 0.1990, 0.2364



5.6717, 0.3016, 0.3334



17.7043, 0.2424, 0.3927



0.1196, 0.2331, 0.3590

Inverse Universe

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



5.5729, 0.6021, 0.3091



9.9600, 0.6068, 0.3116



6.9655, 0.5963, 0.3648



5.0640, 0.3251, 0.3246



5.0318, 0.6011, 0.3085



0.0352, 0.5062, 0.2562

Previews

White Background



This preview shows how the Yxy color 19.6129, 0.2425, 0.3930 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 19.6129, 0.2425, 0.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

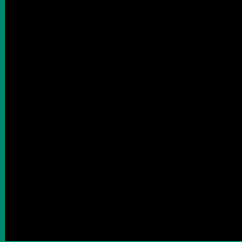
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6129, 0.2425, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 19.6129, 0.2425, 0.3930.



This preview shows how white text looks on a background with the Yxy color 19.6129, 0.2425, 0.3930.

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

19.6129, 0.2425, 0.3930

Protanopia

19.5455, 0.3452, 0.3665

Deuteranopia

19.4521, 0.3384, 0.3327



Tritanopia

19.5868, 0.2281, 0.3062

Trichromacy



Original Color

19.6129, 0.2425, 0.3930

Protanomaly

18.2521, 0.2855, 0.3790

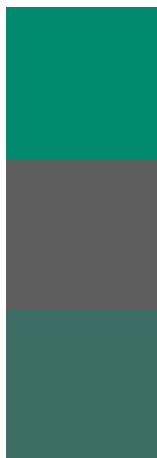
Deuteranomaly

18.1629, 0.2815, 0.3544

Tritanomaly

19.5348, 0.2315, 0.3352

Monochromacy



Original Color

19.6129, 0.2425, 0.3930

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

13.0326, 0.2644, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6129, 0.2425, 0.3930 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, 139, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 111)  
}
```

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, 139, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 111) }
```

Border

The CSS property to change the border of an element to Yxy 19.6129, 0.2425, 0.3930 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, 139, 111) }
```

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

```
.border{ border-color:rgb(0, 139, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6129, 0.2425, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 111) }
```

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

```
.background{ background-color: rgb(0, 139,  
111) }
```

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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