

Converting Colors

$Yxy(19.8585, 0.1340, 0.3962)$

Have a look what the booklet for
Yxy(19.8585, 0.1340, 0.3962)
contains.

Yxy(24.3148, 0.2397, 0.3829)	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(24.3148, 0.2397, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	00997F
RGB	0, 153, 127
RGB Percent	0%, 60%, 50%
CMY	0.9999, 0.4000, 0.5020
CMYK	1.00, 0.00, 0.17, 0.40
HSL	170°, 100%, 30%
HSV	170°, 100%, 60%
XYZ	15.2214, 24.3148, 23.9655
YIQ	104.2890, -82.8420, -40.5220

Conversions

Conversions Part 2

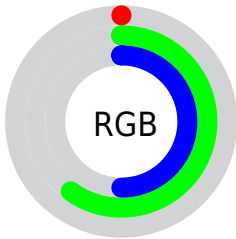
Format	Color
RYB	0, 84, 153
Decimal	39295
CIELab	56.40, -40.55, 4.08
CIELCh	56, 40.756, 174.261
Yxy	24.3148, 0.2397, 0.3829
Android (android.graphics.Color)	4278229375 (0xFF00997F)
YUV	104.2890, 11.1965, -91.4615
Hunter-Lab	49.3100, -31.1920, 5.7011

Details

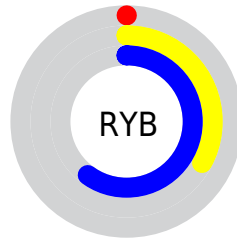
The Yxy color **24.3148, 0.2397, 0.3829** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.8476, 0.6120, 0.3145**, and the grayscale version is **13.9122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4817, 0.2553, 0.3701**, and **9.8574, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **24.3156, 0.2397, 0.3829**, and if you desaturate by 10%, it is **24.4886, 0.2401, 0.3770**.

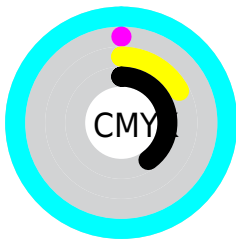
Distribution



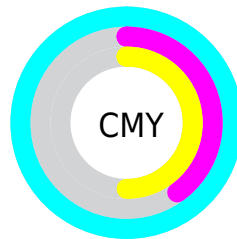
- Red (0%)
- Green (60%)
- Blue (50%)



- Red (0%)
- Yellow (33%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3148, 0.2397, 0.3829 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 24.3148, 0.2397, 0.3829 by changing the saturation by 10% instead.


 24.3148, 0.2397,
0.3829


 24.3148, 0.2397,
0.3829


274.4082, 0.2801,
0.3525


 15.5673, 0.2281,
0.3919


 50.5434, 0.2554,
0.3709

 9.2185, 0.2123,
0.4044


 68.7933, 0.2610,
0.3667


 4.8840, 0.1894,
0.4229

 90.9795, 0.2656,
0.3633

 2.1793, 0.1531,
0.4535

 117.4864, 0.2695,
0.3604

 0.7087, 0.0000,
0.5928

 148.6982, 0.2727,
0.3580

 0.0000, 0.0000,
0.0000

 184.9996, 0.2756,

0.3559

226.7747, 0.2780,
0.3541

■ 24.3148, 0.2397,
0.3829

■ 24.3148, 0.2397,
0.3829

■ 24.3156, 0.2397,
0.3829

■ 24.4886, 0.2401,
0.3770

■ 24.7402, 0.2418,
0.3710

■ 25.1060, 0.2453,
0.3650

■ 25.6001, 0.2507,
0.3591

■ 26.2347, 0.2579,
0.3533

■ 27.0205, 0.2666,
0.3478

■ 27.9671, 0.2768,
0.3426

■ 29.0835, 0.2880,
0.3377

■ 30.3778, 0.3001,
0.3331

Harmonies

Analogous

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



24.3148, 0.3010, 0.4432



24.3148, 0.2397, 0.3829



24.3148, 0.2007, 0.3088

Triad

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



24.3148, 0.2397, 0.3829



24.3148, 0.2476, 0.2227



24.3148, 0.4528, 0.3821

Complementary

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



24.3148, 0.2397, 0.3829



6.8476, 0.6120, 0.3145

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.



24.3148, 0.4383, 0.3291



24.3148, 0.2397, 0.3829



24.3148, 0.3118, 0.2425

Square

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



24.3148, 0.2397, 0.3829



24.3148, 0.2055, 0.2249



24.3148, 0.3841, 0.2801



24.3148, 0.4253, 0.4304

Rectangle

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



24.3148, 0.2397, 0.3829



24.3148, 0.1901, 0.2686



24.3148, 0.3841, 0.2801



24.3148, 0.4529, 0.3644

Sweetspot

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



24.3157, 0.2397, 0.3829



49.9731, 0.2761, 0.3429



23.0314, 0.3066, 0.5948



10.8842, 0.2721, 0.3449



76.7769, 0.3127, 0.3290



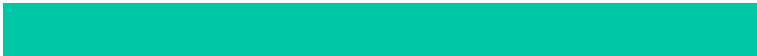
12.5967, 0.3127, 0.3290

Same Dimension

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



24.3157, 0.2397, 0.3829



43.5203, 0.2400, 0.3840



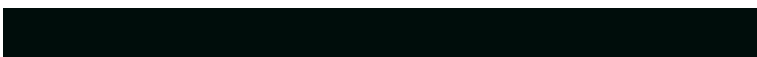
12.3132, 0.1955, 0.2238



7.0085, 0.3010, 0.3328



20.0996, 0.2396, 0.3825



0.3047, 0.2322, 0.3560

Inverse Universe

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



6.8476, 0.6120, 0.3145



12.2429, 0.6159, 0.3167



8.9244, 0.5895, 0.3701



6.2390, 0.3258, 0.3252



5.6625, 0.6105, 0.3137



0.0884, 0.5235, 0.2657

Previews

White Background



This preview shows how the Yxy color 24.3148, 0.2397, 0.3829 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 24.3148, 0.2397, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

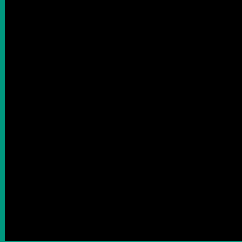
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3148, 0.2397, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 24.3148, 0.2397, 0.3829.

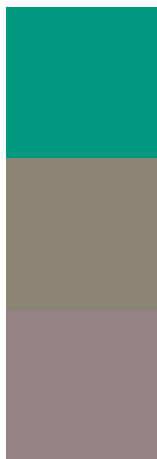


This preview shows how white text looks on a background with the Yxy color 24.3148, 0.2397, 0.3829.

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

24.3148, 0.2397, 0.3829

Protanopia

23.9973, 0.3392, 0.3583

Deuteranopia

23.9271, 0.3317, 0.3258



Tritanopia

24.2533, 0.2269, 0.3062

Trichromacy



Original Color

24.3148, 0.2397, 0.3829



Protanomaly

22.6039, 0.2803, 0.3685



Deuteranomaly

22.1683, 0.2755, 0.3444



Tritanomaly

24.1977, 0.2300, 0.3327

Monochromacy



Original Color

24.3148, 0.2397, 0.3829



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.2472, 0.2626, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3148, 0.2397, 0.3829 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, 153, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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(0, 153, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 127) }
```

Border

The CSS property to change the border of an element to Yxy 24.3148, 0.2397, 0.3829 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, 153, 127) }
```

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

```
.border{ border-color:rgb(0, 153, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3148, 0.2397, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 127) }
```

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

```
.background{ background-color: rgb(0, 153,  
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](#).

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