

Converting Colors

$Yxy(24.9924, 0.2243, 0.3917)$

Have a look what the booklet for
Yxy(24.9924, 0.2243, 0.3917)
contains.

Yxy(26.0122, 0.2416, 0.3898)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.0122, 0.2416, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	009E80
RGB	0, 158, 128
RGB Percent	0%, 62%, 50%
CMY	1.0000, 0.3804, 0.4980
CMYK	1.00, 0.00, 0.19, 0.38
HSL	169°, 100%, 31%
HSV	169°, 100%, 62%
XYZ	16.1225, 26.0122, 24.5975
YIQ	107.3380, -84.5380, -42.8260

Conversions

Conversions Part 2

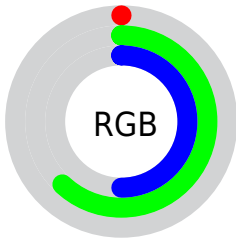
Format	Color
RYB	0, 87, 158
Decimal	40576
CIELab	58.05, -42.40, 5.86
CIELCh	58, 42.799, 172.127
Yxy	26.0122, 0.2416, 0.3898
Android (android.graphics.Color)	4278230656 (0xFF009E80)
YUV	107.3380, 10.1864, -94.1354
Hunter-Lab	51.0022, -32.8274, 7.1069

Details

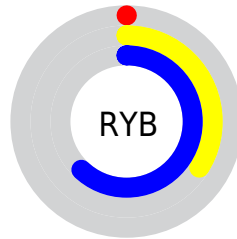
The Yxy color **26.0122, 0.2416, 0.3898** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.3632, 0.6076, 0.3121**, and the grayscale version is **14.7915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0485, 0.2565, 0.3753**, and **10.6677, 0.2462, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **26.0140, 0.2416, 0.3898**, and if you desaturate by 10%, it is **26.2026, 0.2417, 0.3831**.

Distribution



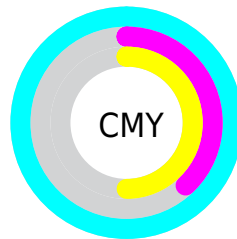
- Red (0%)
- Green (62%)
- Blue (50%)



- Red (0%)
- Yellow (34%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 26.0122, 0.2416, 0.3898 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 26.0122, 0.2416, 0.3898 by changing the saturation by 10% instead.


 26.0122, 0.2416,
0.3898


 26.0122, 0.2416,
0.3898


 282.8420, 0.2808,
0.3556


 16.8328, 0.2305,
0.3999


 53.2946, 0.2568,
0.3763


 10.1153, 0.2153,
0.4139


 72.1664, 0.2622,
0.3716


 5.4755, 0.1936,
0.4346

 95.0378, 0.2667,
0.3677

 2.5289, 0.1600,
0.4682

 122.2931, 0.2704,
0.3645

 0.8910, 0.0000,
0.6139

 154.3168, 0.2736,
0.3618

 0.0000, 0.0000,
0.0000

 191.4932, 0.2763,

0.3594

234.2068, 0.2787,
0.3574

■ 26.0122, 0.2416,
0.3898

■ 26.0122, 0.2416,
0.3898

■ 26.0140, 0.2416,
0.3898

■ 26.2026, 0.2417,
0.3831

■ 26.4774, 0.2432,
0.3763

■ 26.8755, 0.2466,
0.3696

■ 27.4123, 0.2518,
0.3629

■ 28.1009, 0.2589,
0.3564

■ 28.9530, 0.2675,
0.3501

■ 29.9791, 0.2774,
0.3442

■ 31.1887, 0.2884,
0.3387

■ 32.5907, 0.3003,
0.3336

Harmonies

Analogous

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



26.0122, 0.3054, 0.4495



26.0122, 0.2416, 0.3898



26.0122, 0.1999, 0.3131

Triad

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



26.0122, 0.2416, 0.3898



26.0122, 0.2420, 0.2196



26.0122, 0.4568, 0.3791

Complementary

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



26.0122, 0.2416, 0.3898



7.3632, 0.6076, 0.3121

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.



26.0122, 0.4389, 0.3250



26.0122, 0.2416, 0.3898



26.0122, 0.3065, 0.2384

Square

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



26.0122, 0.2416, 0.3898



26.0122, 0.2010, 0.2236



26.0122, 0.3809, 0.2757



26.0122, 0.4311, 0.4295

Rectangle

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



26.0122, 0.2416, 0.3898



26.0122, 0.1879, 0.2706



26.0122, 0.3809, 0.2757



26.0122, 0.4560, 0.3610

Sweetspot

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



26.0140, 0.2416, 0.3898



54.3206, 0.2768, 0.3446



24.7558, 0.3074, 0.5941



12.0726, 0.2727, 0.3469



80.7346, 0.3127, 0.3290



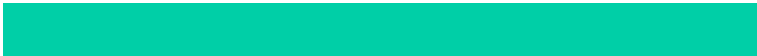
13.9985, 0.3127, 0.3290

Same Dimension

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



26.0140, 0.2416, 0.3898



47.2107, 0.2420, 0.3911



13.7512, 0.1971, 0.2294



7.4879, 0.3012, 0.3333



20.8388, 0.2415, 0.3892



0.3777, 0.2340, 0.3624

Inverse Universe

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



7.3632, 0.6076, 0.3121



13.3485, 0.6116, 0.3143



9.3348, 0.5941, 0.3665



6.6657, 0.3256, 0.3248



5.9014, 0.6058, 0.3111



0.1105, 0.5168, 0.2620

Previews

White Background



This preview shows how the Yxy color 26.0122, 0.2416, 0.3898 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 26.0122, 0.2416, 0.3898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

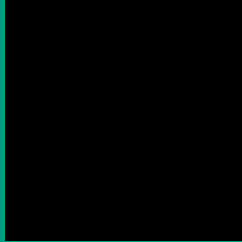
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.0122, 0.2416, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 26.0122, 0.2416, 0.3898.

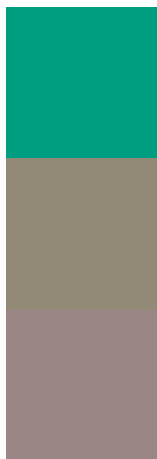


This preview shows how white text looks on a background with the Yxy color 26.0122, 0.2416, 0.3898.

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

26.0122, 0.2416, 0.3898

Protanopia

25.5960, 0.3429, 0.3625

Deuteranopia

25.6137, 0.3368, 0.3307



Tritanopia

26.1034, 0.2275, 0.3068

Trichromacy



Original Color

26.0122, 0.2416, 0.3898



Protanomaly

23.9831, 0.2827, 0.3734



Deuteranomaly

23.8803, 0.2791, 0.3516



Tritanomaly

25.9857, 0.2307, 0.3345

Monochromacy



Original Color

26.0122, 0.2416, 0.3898



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.3885, 0.2629, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0122, 0.2416, 0.3898 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, 158, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 128)  
}
```

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, 158, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 128) }
```

Border

The CSS property to change the border of an element to Yxy 26.0122, 0.2416, 0.3898 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, 158, 128) }
```

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

```
.border{ border-color:rgb(0, 158, 128) }
```

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

Here you see how a box with a 4 pixel rgb(0, 158, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0122, 0.2416, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 128) }
```

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

```
.background{ background-color: rgb(0, 158,  
128) }
```

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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