

Converting Colors

$Yxy(25.9610, 0.2278, 0.3838)$

Have a look what the booklet for
Yxy(25.9610, 0.2278, 0.3838)
contains.

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Color

Yxy(26.4897, 0.2391, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	009F85
RGB	0, 159, 133
RGB Percent	0%, 62%, 52%
CMY	1.0000, 0.3764, 0.4784
CMYK	1.00, 0.00, 0.16, 0.38
HSL	170°, 100%, 31%
HSV	170°, 100%, 62%
XYZ	16.6282, 26.4897, 26.4271
YIQ	108.4950, -86.4180, -41.7940

Conversions

Conversions Part 2

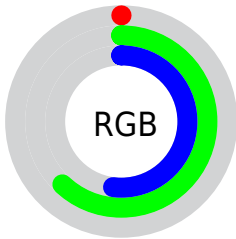
Format	Color
RYB	0, 87, 159
Decimal	40837
CIELab	58.50, -41.47, 3.69
CIELCh	58, 41.636, 174.914
Yxy	26.4897, 0.2391, 0.3809
Android (android.graphics.Color)	4278230917 (0xFF009F85)
YUV	108.4950, 12.0810, -95.1501
Hunter-Lab	51.4681, -32.3999, 5.5843

Details

The Yxy color **26.4897, 0.2391, 0.3809** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.4465, 0.6142, 0.3157**, and the grayscale version is **15.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3197, 0.2549, 0.3704**, and **10.9482, 0.2425, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **26.4931, 0.2391, 0.3809**, and if you desaturate by 10%, it is **26.6752, 0.2395, 0.3752**.

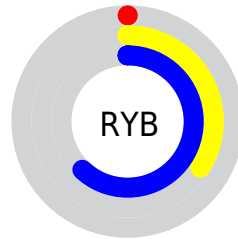
Distribution



Red (0%)

Green (62%)

Blue (52%)



Red (0%)

Yellow (34%)

Blue (62%)

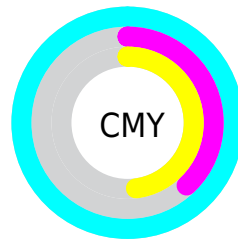


Cyan (100%)

Magenta (0%)

Yellow (16%)

Black (38%)



Cyan (100%)


Magenta (38%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4897, 0.2391, 0.3809 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 26.4897, 0.2391, 0.3809 by changing the saturation by 10% instead.


 26.4897, 0.2391,
0.3809


 26.4897, 0.2391,
0.3809

285.1778, 0.2793,
0.3521


 17.1903, 0.2278,
0.3892


 54.0639, 0.2546,
0.3697


 10.3703, 0.2126,
0.4006


 73.1075, 0.2601,
0.3657

 5.6452, 0.1909,
0.4172

 96.1681, 0.2647,
0.3624

 2.6305, 0.1581,
0.4435

 123.6299, 0.2686,
0.3597

 0.9420, 0.0000,
0.5514

 155.8774, 0.2718,
0.3573

 0.0000, 0.0000,
0.0000

 193.2949, 0.2747,

0.3554

236.2669, 0.2771,
0.3536

■ 26.4897, 0.2391,
0.3809

■ 26.4897, 0.2391,
0.3809

■ 26.4931, 0.2391,
0.3809

■ 26.6752, 0.2395,
0.3752

■ 26.9444, 0.2412,
0.3694

■ 27.3380, 0.2448,
0.3637

■ 27.8718, 0.2502,
0.3580

■ 28.5591, 0.2574,
0.3525

■ 29.4116, 0.2662,
0.3471

■ 30.4401, 0.2764,
0.3421

■ 31.6543, 0.2878,
0.3374

■ 33.0631, 0.2999,
0.3330

Harmonies

Analogous

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



26.4897, 0.2997, 0.4414



26.4897, 0.2391, 0.3809



26.4897, 0.2008, 0.3075

Triad

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



26.4897, 0.2391, 0.3809



26.4897, 0.2492, 0.2235



26.4897, 0.4516, 0.3830

Complementary

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



26.4897, 0.2391, 0.3809



7.4465, 0.6142, 0.3157

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.



26.4897, 0.4382, 0.3303



26.4897, 0.2391, 0.3809



26.4897, 0.3134, 0.2437

Square

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



26.4897, 0.2391, 0.3809



26.4897, 0.2068, 0.2253



26.4897, 0.3850, 0.2814



26.4897, 0.4237, 0.4307

Rectangle

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



26.4897, 0.2391, 0.3809



26.4897, 0.1907, 0.2679



26.4897, 0.3850, 0.2814



26.4897, 0.4521, 0.3654

Sweetspot

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



26.4931, 0.2391, 0.3809



54.3945, 0.2758, 0.3424



25.0259, 0.3056, 0.5956



12.0912, 0.2716, 0.3443



80.7346, 0.3127, 0.3290



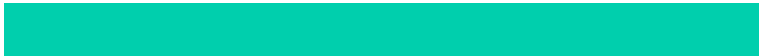
13.9985, 0.3127, 0.3290

Same Dimension

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



26.4931, 0.2391, 0.3809



47.4160, 0.2394, 0.3819



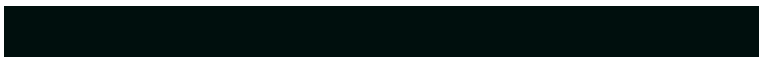
12.8129, 0.1938, 0.2175



7.4908, 0.3009, 0.3327



20.9275, 0.2390, 0.3804



0.3787, 0.2327, 0.3575

Inverse Universe

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



7.4465, 0.6142, 0.3157



13.3149, 0.6178, 0.3177



9.9184, 0.5858, 0.3731



6.6630, 0.3260, 0.3254



5.8851, 0.6124, 0.3147



0.1096, 0.5300, 0.2693

Previews

White Background



This preview shows how the Yxy color 26.4897, 0.2391, 0.3809 looks on a white background.

Color Contrast Check

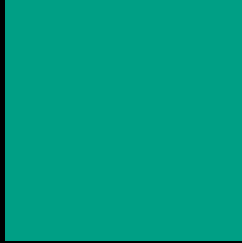
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4897, 0.2391, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

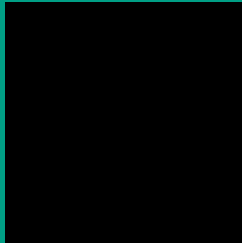
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.4897, 0.2391, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 26.4897, 0.2391, 0.3809.

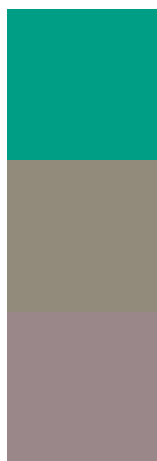


This preview shows how white text looks on a background with the Yxy color 26.4897, 0.2391, 0.3809.

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

26.4897, 0.2391, 0.3809

Protanopia

26.0063, 0.3372, 0.3556

Deuteranopia

26.0329, 0.3311, 0.3243



Tritanopia

26.4591, 0.2262, 0.3052

Trichromacy



Original Color

26.4897, 0.2391, 0.3809



Protanomaly

24.4172, 0.2786, 0.3652



Deuteranomaly

24.3208, 0.2750, 0.3438



Tritanomaly

26.4047, 0.2293, 0.3306

Monochromacy



Original Color

26.4897, 0.2391, 0.3809



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.7520, 0.2614, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4897, 0.2391, 0.3809 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, 159, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 133)  
}
```

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, 159, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 133) }
```

Border

The CSS property to change the border of an element to Yxy 26.4897, 0.2391, 0.3809 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, 159, 133) }
```

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

```
.border{ border-color:rgb(0, 159, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4897, 0.2391, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 133) }
```

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

```
.background{ background-color: rgb(0, 159,  
133) }
```

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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