

Converting Colors

$Yxy(23.3873, 0.1926, 0.3803)$

Have a look what the booklet for
Yxy(23.3873, 0.1926, 0.3803)
contains.

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Color

Yxy(25.8352, 0.2375, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	009D86
RGB	0, 157, 134
RGB Percent	0%, 62%, 53%
CMY	1.0000, 0.3843, 0.4745
CMYK	1.00, 0.00, 0.15, 0.38
HSL	171°, 100%, 31%
HSV	171°, 100%, 62%
XYZ	16.3579, 25.8352, 26.6824
YIQ	107.4350, -86.1890, -40.4370

Conversions

Conversions Part 2

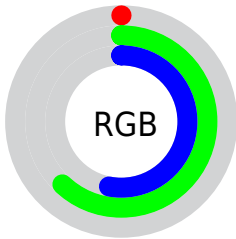
Format	Color
RYB	0, 85, 157
Decimal	40326
CIELab	57.88, -40.33, 2.22
CIELCh	58, 40.390, 176.844
Yxy	25.8352, 0.2375, 0.3751
Android (android.graphics.Color)	4278230406 (0xFF009D86)
YUV	107.4350, 13.0965, -94.2205
Hunter-Lab	50.8283, -31.5035, 4.4555

Details

The Yxy color **25.8352, 0.2375, 0.3751** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.2307, 0.6179, 0.3177**, and the grayscale version is **14.8124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7987, 0.2532, 0.3649**, and **10.7590, 0.2410, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **25.8379, 0.2375, 0.3751**, and if you desaturate by 10%, it is **26.0104, 0.2381, 0.3700**.

Distribution



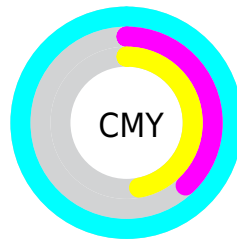
- Red (0%)
- Green (62%)
- Blue (53%)



- Red (0%)
- Yellow (33%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8352, 0.2375, 0.3751 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 25.8352, 0.2375, 0.3751 by changing the saturation by 10% instead.


 25.8352, 0.2375,
0.3751


 25.8352, 0.2375,
0.3751


281.9721, 0.2786,
0.3496


 16.7004, 0.2260,
0.3824

 53.0090, 0.2533,
0.3652


 10.0211, 0.2104,
0.3923


 71.8167, 0.2590,
0.3617


 5.4130, 0.1883,
0.4067

 94.6176, 0.2637,
0.3588

 2.4915, 0.1547,
0.4293

 121.7959, 0.2676,
0.3564

 0.8724, 0.0000,
0.5234

 153.7361, 0.2710,
0.3543

 0.0000, 0.0000,
0.0000

 190.8227, 0.2739,

0.3525

233.4399, 0.2764,
0.3510

■ 25.8352, 0.2375,
0.3751

■ 25.8352, 0.2375,
0.3751

■ 25.8379, 0.2375,
0.3751

■ 26.0104, 0.2381,
0.3700

■ 26.2667, 0.2399,
0.3650

■ 26.6436, 0.2436,
0.3599

■ 27.1562, 0.2492,
0.3548

■ 27.8175, 0.2565,
0.3499

■ 28.6390, 0.2655,
0.3452

■ 29.6308, 0.2758,
0.3407

■ 30.8025, 0.2873,
0.3365

■ 32.1628, 0.2997,
0.3326

Harmonies

Analogous

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



25.8352, 0.2959, 0.4360



25.8352, 0.2375, 0.3751



25.8352, 0.2015, 0.3040

Triad

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



25.8352, 0.2375, 0.3751



25.8352, 0.2540, 0.2261



25.8352, 0.4481, 0.3855

Complementary

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



25.8352, 0.2375, 0.3751



7.2307, 0.6179, 0.3177

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.



25.8352, 0.4376, 0.3338



25.8352, 0.2375, 0.3751



25.8352, 0.3180, 0.2472

Square

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



25.8352, 0.2375, 0.3751



25.8352, 0.2108, 0.2265



25.8352, 0.3877, 0.2852



25.8352, 0.4187, 0.4314

Rectangle

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



25.8352, 0.2375, 0.3751



25.8352, 0.1927, 0.2662



25.8352, 0.3877, 0.2852



25.8352, 0.4494, 0.3684

Sweetspot

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



25.8379, 0.2375, 0.3751



52.9493, 0.2752, 0.3409



24.3051, 0.3048, 0.5962



11.4922, 0.2710, 0.3427



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.8379, 0.2375, 0.3751



46.2464, 0.2378, 0.3760



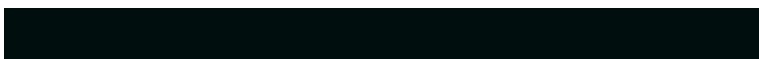
11.9481, 0.1922, 0.2117



7.4928, 0.3007, 0.3323



20.9872, 0.2374, 0.3747



0.3794, 0.2318, 0.3544

Inverse Universe

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



7.2307, 0.6179, 0.3177



12.9305, 0.6213, 0.3196



9.8967, 0.5812, 0.3767



6.6612, 0.3262, 0.3257



5.8756, 0.6164, 0.3169



0.1090, 0.5391, 0.2744

Previews

White Background



This preview shows how the Yxy color 25.8352, 0.2375, 0.3751 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 25.8352, 0.2375, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

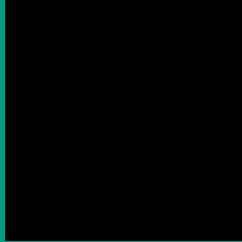
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8352, 0.2375, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 25.8352, 0.2375, 0.3751.

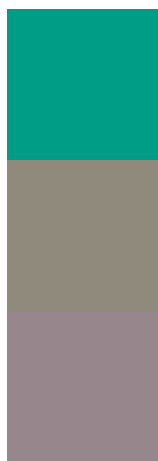


This preview shows how white text looks on a background with the Yxy color 25.8352, 0.2375, 0.3751.

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

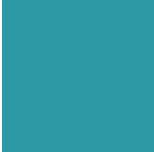
25.8352, 0.2375, 0.3751

Protanopia

25.5615, 0.3341, 0.3525

Deuteranopia

25.4936, 0.3267, 0.3210



Tritanopia

26.0346, 0.2265, 0.3068

Trichromacy



Original Color

25.8352, 0.2375, 0.3751



Protanomaly

24.0846, 0.2767, 0.3615



Deuteranomaly

23.6389, 0.2721, 0.3383



Tritanomaly

25.6912, 0.2286, 0.3288

Monochromacy



Original Color

25.8352, 0.2375, 0.3751



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.1805, 0.2608, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8352, 0.2375, 0.3751 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, 157, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 134)  
}
```

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, 157, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 134) }
```

Border

The CSS property to change the border of an element to Yxy 25.8352, 0.2375, 0.3751 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, 157, 134) }
```

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

```
.border{ border-color:rgb(0, 157, 134) }
```

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

Here you see how a box with a 4 pixel rgb(0, 157, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8352, 0.2375, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 134) }
```

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

```
.background{ background-color: rgb(0, 157,  
134) }
```

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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