

Converting Colors

$Yxy(21.5685, 0.1328, 0.3674)$

Have a look what the booklet for
Yxy(21.5685, 0.1328, 0.3674)
contains.

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Color

$\text{Yxy}(26.4067, 0.2334, 0.3602)$

Conversions

Conversions Part 1

Format	Color
Hex	009E8E
RGB	0, 158, 142
RGB Percent	0%, 62%, 56%
CMY	0.9998, 0.3804, 0.4431
CMYK	1.00, 0.00, 0.10, 0.38
HSL	174°, 100%, 31%
HSV	174°, 100%, 62%
XYZ	17.1108, 26.4067, 29.7937
YIQ	108.9340, -89.0320, -38.4720

Conversions

Conversions Part 2

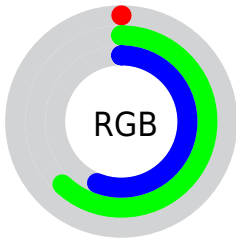
Format	Color
RYB	0, 83, 158
Decimal	40590
CIELab	58.42, -38.46, -1.53
CIELCh	58, 38.487, 182.279
Yxy	26.4067, 0.2334, 0.3602
Android (android.graphics.Color)	4278230670 (0xFF009E8E)
YUV	108.9340, 16.3015, -95.5351
Hunter-Lab	51.3874, -30.4916, 1.5958

Details

The Yxy color **26.4067, 0.2334, 0.3602** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.3080, 0.6265, 0.3225**, and the grayscale version is **15.2511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7477, 0.2493, 0.3529**, and **11.0808, 0.2357, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **26.4071, 0.2334, 0.3602**, and if you desaturate by 10%, it is **26.5646, 0.2343, 0.3568**.

Distribution



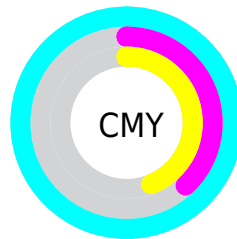
- Red (0%)
- Green (62%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4067, 0.2334, 0.3602 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 26.4067, 0.2334, 0.3602 by changing the saturation by 10% instead.


 26.4067, 0.2334,
0.3602

 26.4067, 0.2334,
0.3602


 284.7729, 0.2762,
0.3436


 17.1281, 0.2216,
0.3647


 53.9303, 0.2498,
0.3539


 10.3259, 0.2058,
0.3706


 72.9442, 0.2557,
0.3516

 5.6156, 0.1837,
0.3787

 95.9719, 0.2606,
0.3497

 2.6128, 0.1508,
0.3904

 123.3980, 0.2647,
0.3481

 0.9331, 0.0000,
0.4521

 155.6067, 0.2682,
0.3467

 0.0000, 0.0000,
0.0000

 192.9825, 0.2712,

0.3455

235.9097, 0.2739,
0.3445

■ 26.4067, 0.2334,
0.3602

■ 26.4067, 0.2334,
0.3602

■ 26.4071, 0.2334,
0.3602

■ 26.5646, 0.2343,
0.3568

■ 26.8064, 0.2365,
0.3534

■ 27.1699, 0.2405,
0.3500

■ 27.6704, 0.2464,
0.3466

■ 28.3211, 0.2541,
0.3433

■ 29.1335, 0.2634,
0.3400

■ 30.1182, 0.2742,
0.3370

■ 31.2847, 0.2862,
0.3341

■ 32.6418, 0.2992,
0.3314

Harmonies

Analogous

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



26.4067, 0.2861, 0.4215



26.4067, 0.2334, 0.3602



26.4067, 0.2034, 0.2950

Triad

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



26.4067, 0.2334, 0.3602



26.4067, 0.2669, 0.2331



26.4067, 0.4387, 0.3921

Complementary

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



26.4067, 0.2334, 0.3602



7.3080, 0.6265, 0.3225

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.



26.4067, 0.4357, 0.3431



26.4067, 0.2334, 0.3602



26.4067, 0.3301, 0.2566

Square

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



26.4067, 0.2334, 0.3602



26.4067, 0.2214, 0.2296



26.4067, 0.3943, 0.2954



26.4067, 0.4054, 0.4327

Rectangle

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



26.4067, 0.2334, 0.3602



26.4067, 0.1980, 0.2619



26.4067, 0.3943, 0.2954



26.4067, 0.4421, 0.3761

Sweetspot

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



26.4077, 0.2334, 0.3602



54.5733, 0.2735, 0.3372



24.5872, 0.3033, 0.5973



12.1364, 0.2691, 0.3384



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.



26.4077, 0.2334, 0.3602



47.9383, 0.2336, 0.3609



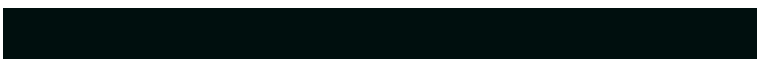
11.1031, 0.1889, 0.1999



7.4979, 0.3001, 0.3313



21.1527, 0.2333, 0.3599



0.3812, 0.2295, 0.3463

Inverse Universe

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



7.3080, 0.6265, 0.3225



13.2544, 0.6293, 0.3241



10.5647, 0.5722, 0.3838



6.6565, 0.3269, 0.3268



5.8547, 0.6253, 0.3218



0.1075, 0.5656, 0.2889

Previews

White Background



This preview shows how the Yxy color 26.4067, 0.2334, 0.3602 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 26.4067, 0.2334, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

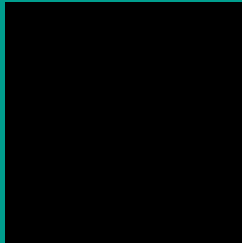
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.4067, 0.2334, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 26.4067, 0.2334, 0.3602.

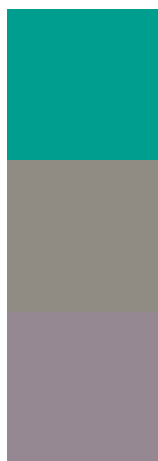


This preview shows how white text looks on a background with the Yxy color 26.4067, 0.2334, 0.3602.

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

26.4067, 0.2334, 0.3602

Protanopia

26.0332, 0.3265, 0.3423

Deuteranopia

26.1989, 0.3169, 0.3115



Tritanopia

26.3523, 0.2247, 0.3051

Trichromacy



Original Color

26.4067, 0.2334, 0.3602

Protanomaly

24.5823, 0.2712, 0.3496

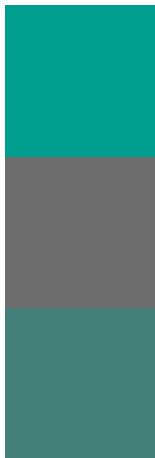
Deuteranomaly

24.4237, 0.2652, 0.3270

Tritanomaly

26.1180, 0.2263, 0.3231

Monochromacy



Original Color

26.4067, 0.2334, 0.3602

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.8244, 0.2588, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4067, 0.2334, 0.3602 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 142) }
```

Border

The CSS property to change the border of an element to Yxy 26.4067, 0.2334, 0.3602 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, 142) }
```

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

```
.border{ border-color:rgb(0, 158, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4067, 0.2334, 0.3602 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, 142) }
```

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

```
.background{ background-color: rgb(0, 158,  
142) }
```

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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