

Converting Colors

$Yxy(24.3413, 0.2291, 0.3963)$

Have a look what the booklet for
Yxy(24.3413, 0.2291, 0.3963)
contains.

Yxy(24.8979, 0.2426, 0.3932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.8979, 0.2426, 0.3932)$

Conversions

Conversions Part 1

Format	Color
Hex	009B7C
RGB	0, 155, 124
RGB Percent	0%, 61%, 49%
CMY	0.9988, 0.3922, 0.5138
CMYK	1.00, 0.00, 0.20, 0.39
HSL	168°, 100%, 30%
HSV	168°, 100%, 61%
XYZ	15.3617, 24.8979, 23.0616
YIQ	105.1210, -82.4290, -42.5010

Conversions

Conversions Part 2

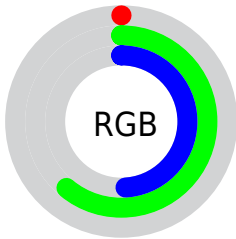
Format	Color
RYB	0, 86, 155
Decimal	39804
CIELab	56.98, -42.19, 6.60
CIELCh	57, 42.708, 171.106
Yxy	24.8979, 0.2426, 0.3932
Android (android.graphics.Color)	4278229884 (0xFF009B7C)
YUV	105.1210, 9.3073, -92.1911
Hunter-Lab	49.8978, -32.3675, 7.5260

Details

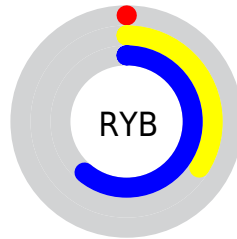
The Yxy color **24.8979, 0.2426, 0.3932** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.0758, 0.6039, 0.3103**, and the grayscale version is **14.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3025, 0.2579, 0.3790**, and **10.2085, 0.2485, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **24.8952, 0.2426, 0.3933**, and if you desaturate by 10%, it is **25.0852, 0.2427, 0.3861**.

Distribution



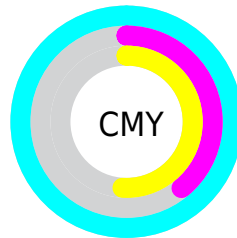
- Red (0%)
- Green (61%)
- Blue (49%)



- Red (0%)
- Yellow (34%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (39%)




- Cyan (100%)
- Magenta (39%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8979, 0.2426, 0.3932 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 24.8979, 0.2426, 0.3932 by changing the saturation by 10% instead.


 24.8979, 0.2426,
0.3932


 24.8979, 0.2426,
0.3932


277.3291, 0.2816,
0.3567


 16.0010, 0.2314,
0.4041


 51.4915, 0.2578,
0.3787


 9.5249, 0.2160,
0.4194


 69.9571, 0.2632,
0.3737


 5.0851, 0.1936,
0.4424

 92.3809, 0.2676,
0.3695

 2.2973, 0.1582,
0.4805

 119.1475, 0.2713,
0.3661

 0.7723, 0.0000,
0.6707

 150.6413, 0.2745,
0.3632

 0.0000, 0.0000,
0.0000

 187.2465, 0.2772,

0.3608

229.3476, 0.2795,
0.3586

■ 24.8979, 0.2426,
0.3932

■ 24.8979, 0.2426,
0.3932

■ 24.8952, 0.2426,
0.3933

■ 25.0852, 0.2427,
0.3861

■ 25.3553, 0.2442,
0.3789

■ 25.7439, 0.2475,
0.3717

■ 26.2657, 0.2527,
0.3647

■ 26.9333, 0.2597,
0.3578

■ 27.7576, 0.2682,
0.3512

■ 28.7486, 0.2781,
0.3450

■ 29.9155, 0.2890,
0.3391

■ 31.2667, 0.3007,
0.3338

Harmonies

Analogous

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



24.8979, 0.3076, 0.4524



24.8979, 0.2426, 0.3932



24.8979, 0.1996, 0.3153

Triad

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



24.8979, 0.2426, 0.3932



24.8979, 0.2394, 0.2182



24.8979, 0.4587, 0.3776

Complementary

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



24.8979, 0.2426, 0.3932



7.0758, 0.6039, 0.3103

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.



24.8979, 0.4391, 0.3230



24.8979, 0.2426, 0.3932



24.8979, 0.3038, 0.2365

Square

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



24.8979, 0.2426, 0.3932



24.8979, 0.1989, 0.2230



24.8979, 0.3793, 0.2735



24.8979, 0.4339, 0.4289

Rectangle

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



24.8979, 0.2426, 0.3932



24.8979, 0.1868, 0.2717



24.8979, 0.3793, 0.2735



24.8979, 0.4574, 0.3593

Sweetspot

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



24.8989, 0.2426, 0.3932



51.3362, 0.2772, 0.3454



23.7797, 0.3086, 0.5930



11.4558, 0.2733, 0.3479



78.7412, 0.3127, 0.3290



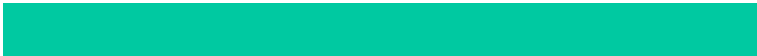
13.2868, 0.3127, 0.3290

Same Dimension

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



24.8989, 0.2426, 0.3932



44.5590, 0.2430, 0.3947



13.7749, 0.1988, 0.2357



7.0053, 0.3014, 0.3335



20.0022, 0.2424, 0.3928



0.3038, 0.2336, 0.3611

Inverse Universe

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



7.0758, 0.6039, 0.3103



12.6358, 0.6086, 0.3126



8.7811, 0.5973, 0.3636



6.2419, 0.3253, 0.3246



5.6816, 0.6026, 0.3093



0.0893, 0.5082, 0.2573

Previews

White Background



This preview shows how the Yxy color 24.8979, 0.2426, 0.3932 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 24.8979, 0.2426, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

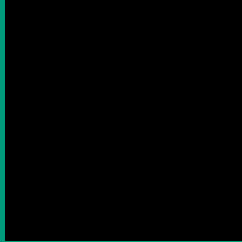
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8979, 0.2426, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 24.8979, 0.2426, 0.3932.



This preview shows how white text looks on a background with the Yxy color 24.8979, 0.2426, 0.3932.

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

24.8979, 0.2426, 0.3932

Protanopia

24.6629, 0.3443, 0.3665

Deuteranopia

24.4930, 0.3396, 0.3323



Tritanopia

25.0257, 0.2278, 0.3065

Trichromacy



Original Color

24.8979, 0.2426, 0.3932



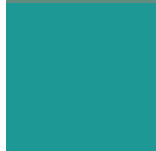
Protanomaly

23.1771, 0.2841, 0.3782



Deuteranomaly

22.8299, 0.2812, 0.3540



Tritanomaly

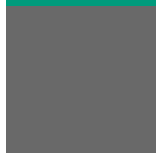
24.8706, 0.2315, 0.3366

Monochromacy



Original Color

24.8979, 0.2426, 0.3932



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.5291, 0.2637, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8979, 0.2426, 0.3932 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, 155, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 124)  
}
```

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, 155, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 124) }
```

Border

The CSS property to change the border of an element to Yxy 24.8979, 0.2426, 0.3932 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, 155, 124) }
```

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

```
.border{ border-color:rgb(0, 155, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8979, 0.2426, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 124) }
```

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

```
.background{ background-color: rgb(0, 155,  
124) }
```

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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