

Converting Colors

$Yxy(24.8649, 0.2417, 0.3968)$

Have a look what the booklet for
Yxy(24.8649, 0.2417, 0.3968)
contains.

| | |
|---|----|
| Yxy(24.8728, 0.2432, 0.3954) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(24.8728, 0.2432, 0.3954)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 009B7B |
| RGB | 0, 155, 123 |
| RGB Percent | 0%, 61%, 48% |
| CMY | 0.9991, 0.3922, 0.5176 |
| CMYK | 1.00, 0.00, 0.21, 0.39 |
| HSL | 168°, 100%, 30% |
| HSV | 168°, 100%, 61% |
| XYZ | 15.2986, 24.8728, 22.7340 |
| YIQ | 105.0070, -82.1080, -42.8120 |

Conversions

Conversions Part 2

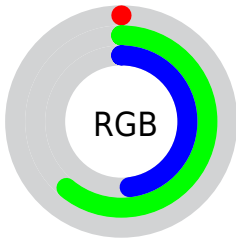
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 86, 155 |
| Decimal | 39803 |
| CIELab | 56.95, -42.46, 7.13 |
| CIELCh | 57, 43.057, 170.471 |
| Yxy | 24.8728, 0.2432, 0.3954 |
| Android (android.graphics.Color) | 4278229883 (0xFF009B7B) |
| YUV | 105.0070, 8.8705, -92.0911 |
| Hunter-Lab | 49.8726, -32.5217, 7.8840 |

Details

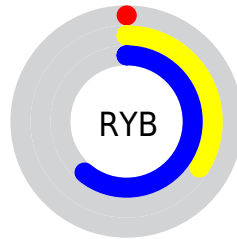
The Yxy color **24.8728, 0.2432, 0.3954** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.0789, 0.6023, 0.3093**, and the grayscale version is **14.1401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2630, 0.2584, 0.3806**, and **10.1949, 0.2494, 0.4177** is the 20% darker color. If you saturate the color by 10%, you get **24.8711, 0.2432, 0.3955**, and if you desaturate by 10%, it is **25.0617, 0.2432, 0.3880**.

Distribution



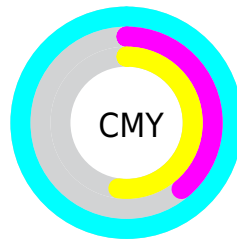
- Red (0%)
- Green (61%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8728, 0.2432, 0.3954 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 24.8728, 0.2432, 0.3954 by changing the saturation by 10% instead.


 24.8728, 0.2432,
0.3954


 24.8728, 0.2432,
0.3954


277.2039, 0.2819,
0.3576


 15.9823, 0.2320,
0.4067


 51.4508, 0.2583,
0.3804

 9.5116, 0.2167,
0.4227


 69.9071, 0.2637,
0.3751


 5.0764, 0.1943,
0.4467

 92.3208, 0.2681,
0.3709

 2.2921, 0.1587,
0.4868

 119.0762, 0.2717,
0.3673

 0.7695, 0.0000,
0.6938

 150.5579, 0.2749,
0.3643

 0.0000, 0.0000,
0.0000

 187.1501, 0.2775,

0.3618

229.2373, 0.2799,
0.3595

■ 24.8728, 0.2432,
0.3954

■ 24.8728, 0.2432,
0.3954

■ 24.8711, 0.2432,
0.3955

■ 25.0617, 0.2432,
0.3880

■ 25.3330, 0.2446,
0.3806

■ 25.7229, 0.2479,
0.3732

■ 26.2462, 0.2531,
0.3659

■ 26.9152, 0.2600,
0.3588

■ 27.7411, 0.2684,
0.3520

■ 28.7339, 0.2782,
0.3455

■ 29.9027, 0.2891,
0.3395

■ 31.2559, 0.3007,
0.3340

Harmonies

Analogous

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



24.8728, 0.3090, 0.4544



24.8728, 0.2432, 0.3954



24.8728, 0.1994, 0.3166

Triad

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



24.8728, 0.2432, 0.3954



24.8728, 0.2377, 0.2173



24.8728, 0.4599, 0.3766

Complementary

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



24.8728, 0.2432, 0.3954



7.0789, 0.6023, 0.3093

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.



24.8728, 0.4393, 0.3218



24.8728, 0.2432, 0.3954



24.8728, 0.3021, 0.2352

Square

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



24.8728, 0.2432, 0.3954



24.8728, 0.1975, 0.2226



24.8728, 0.3782, 0.2721



24.8728, 0.4357, 0.4286

Rectangle

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



24.8728, 0.2432, 0.3954



24.8728, 0.1861, 0.2724



24.8728, 0.3782, 0.2721



24.8728, 0.4583, 0.3582

Sweetspot

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



24.8738, 0.2432, 0.3954



51.3197, 0.2775, 0.3460



23.7787, 0.3086, 0.5930



11.4517, 0.2735, 0.3485



78.7412, 0.3127, 0.3290



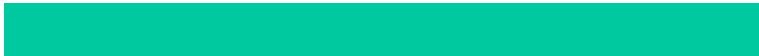
13.2868, 0.3127, 0.3290

Same Dimension

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



24.8738, 0.2432, 0.3954



44.5146, 0.2436, 0.3969



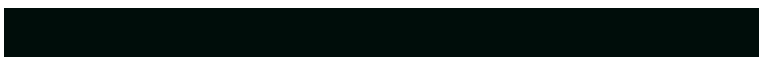
13.7690, 0.1988, 0.2356



7.0047, 0.3015, 0.3336



19.9827, 0.2430, 0.3949



0.3037, 0.2339, 0.3621

Inverse Universe

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



7.0789, 0.6023, 0.3093



12.6446, 0.6069, 0.3117



8.7763, 0.5975, 0.3636



6.2425, 0.3252, 0.3244



5.6859, 0.6008, 0.3083



0.0895, 0.5052, 0.2557

Previews

White Background



This preview shows how the Yxy color 24.8728, 0.2432, 0.3954 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 24.8728, 0.2432, 0.3954 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 24.8728, 0.2432, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 24.8728, 0.2432, 0.3954.

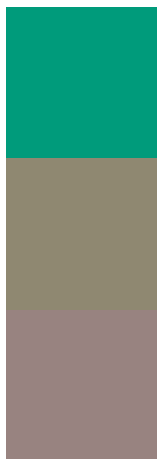


This preview shows how white text looks on a background with the Yxy color 24.8728, 0.2432, 0.3954.

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

24.8728, 0.2432, 0.3954

Protanopia

24.6402, 0.3454, 0.3682

Deuteranopia

24.4665, 0.3407, 0.3340



Tritanopia

25.0257, 0.2278, 0.3065

Trichromacy



Original Color

24.8728, 0.2432, 0.3954



Protanomaly

23.1534, 0.2849, 0.3803



Deuteranomaly

22.8039, 0.2821, 0.3559



Tritanomaly

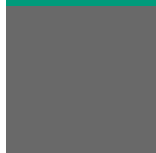
24.8706, 0.2315, 0.3366

Monochromacy



Original Color

24.8728, 0.2432, 0.3954



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 24.8728, 0.2432, 0.3954 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 123) }
```

Border

The CSS property to change the border of an element to Yxy 24.8728, 0.2432, 0.3954 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, 123) }
```

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

```
.border{ border-color:rgb(0, 155, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8728, 0.2432, 0.3954 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, 123) }
```

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

```
.background{ background-color: rgb(0, 155,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor