

Converting Colors

$Yxy(22.6086, 0.2353, 0.3669)$

Have a look what the booklet for
Yxy(22.6086, 0.2353, 0.3669)
contains.

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Color

Yxy(22.4524, 0.2353, 0.3669)

Conversions

Conversions Part 1

Format	Color
Hex	009381
RGB	0, 147, 129
RGB Percent	0%, 58%, 51%
CMY	0.9986, 0.4235, 0.4941
CMYK	1.00, 0.00, 0.12, 0.42
HSL	173°, 100%, 29%
HSV	173°, 100%, 58%
XYZ	14.3992, 22.4524, 24.3433
YIQ	100.9950, -81.8340, -36.7620

Conversions

Conversions Part 2

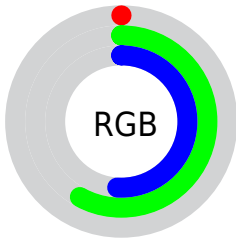
Format	Color
RYB	0, 78, 147
Decimal	37761
CIELab	54.50, -37.35, 0.17
CIELCh	55, 37.352, 179.736
Yxy	22.4524, 0.2353, 0.3669
Android (android.graphics.Color)	4278227841 (0xFF009381)
YUV	100.9950, 13.8065, -88.5726
Hunter-Lab	47.3840, -28.6789, 2.7088

Details

The Yxy color **22.4524, 0.2353, 0.3669** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.2549, 0.6211, 0.3198**, and the grayscale version is **13.0194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6447, 0.2522, 0.3587**, and **8.7636, 0.2378, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **22.4499, 0.2353, 0.3670**, and if you desaturate by 10%, it is **22.6014, 0.2362, 0.3627**.

Distribution



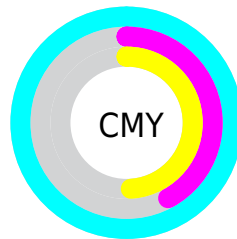
- Red (0%)
- Green (58%)
- Blue (51%)



- Red (0%)
- Yellow (31%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4524, 0.2353, 0.3669 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 22.4524, 0.2353, 0.3669 by changing the saturation by 10% instead.


 22.4524, 0.2353,
0.3669


 22.4524, 0.2353,
0.3669

 264.8998, 0.2783,
0.3458


 14.1897, 0.2230,
0.3730


 47.4926, 0.2521,
0.3587


 8.2527, 0.2060,
0.3813


 65.0389, 0.2580,
0.3558


 4.2571, 0.1816,
0.3933

 86.4484, 0.2629,
0.3534

 1.8184, 0.1398,
0.4139

 112.1057, 0.2670,
0.3514

 0.4986, 0.0000,
0.4843

 142.3951, 0.2705,
0.3497

 0.0000, 0.0000,
0.0000

 177.7010, 0.2734,

0.3482

218.4077, 0.2760,
0.3470

■ 22.4524, 0.2353,
0.3669

■ 22.4524, 0.2353,
0.3669

■ 22.4499, 0.2353,
0.3670

■ 22.6014, 0.2362,
0.3627

■ 22.8209, 0.2383,
0.3586

■ 23.1441, 0.2423,
0.3544

■ 23.5840, 0.2481,
0.3503

■ 24.1512, 0.2557,
0.3462

■ 24.8556, 0.2648,
0.3423

■ 25.7058, 0.2754,
0.3386

■ 26.7098, 0.2872,
0.3351

■ 27.8750, 0.2998,
0.3319

Harmonies

Analogous

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



22.4524, 0.2906, 0.4281



22.4524, 0.2353, 0.3669



22.4524, 0.2026, 0.2991

Triad

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



22.4524, 0.2353, 0.3669



22.4524, 0.2610, 0.2300



22.4524, 0.4429, 0.3891

Complementary

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



22.4524, 0.2353, 0.3669



6.2549, 0.6211, 0.3198

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.



22.4524, 0.4365, 0.3388



22.4524, 0.2353, 0.3669



22.4524, 0.3246, 0.2523

Square

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



22.4524, 0.2353, 0.3669



22.4524, 0.2166, 0.2282



22.4524, 0.3913, 0.2908



22.4524, 0.4114, 0.4321

Rectangle

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



22.4524, 0.2353, 0.3669



22.4524, 0.1956, 0.2639



22.4524, 0.3913, 0.2908



22.4524, 0.4454, 0.3726

Sweetspot

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



22.4533, 0.2353, 0.3669



45.8983, 0.2745, 0.3389



21.0145, 0.3043, 0.5964



10.3392, 0.2703, 0.3403



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.4533, 0.2353, 0.3669



40.1898, 0.2355, 0.3678



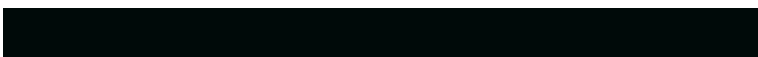
9.9767, 0.1909, 0.2069



6.5501, 0.3005, 0.3317



19.4666, 0.2352, 0.3668



0.2410, 0.2296, 0.3464

Inverse Universe

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



6.2549, 0.6211, 0.3198



11.1726, 0.6251, 0.3217



8.8526, 0.5752, 0.3812



5.8263, 0.3264, 0.3263



5.4179, 0.6207, 0.3193



0.0686, 0.5487, 0.2796

Previews

White Background



This preview shows how the Yxy color 22.4524, 0.2353, 0.3669 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 22.4524, 0.2353, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

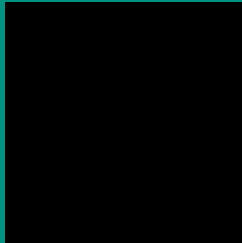
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4524, 0.2353, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 22.4524, 0.2353, 0.3669.

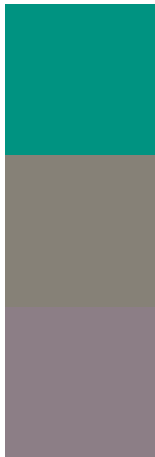


This preview shows how white text looks on a background with the Yxy color 22.4524, 0.2353, 0.3669.

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

22.4524, 0.2353, 0.3669

Protanopia

22.1008, 0.3297, 0.3468

Deuteranopia

22.2184, 0.3205, 0.3154



Tritanopia

22.4428, 0.2256, 0.3054

Trichromacy



Original Color

22.4524, 0.2353, 0.3669

Protanomaly

20.9697, 0.2732, 0.3552

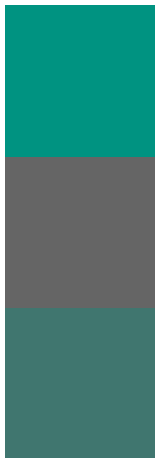
Deuteranomaly

20.8400, 0.2685, 0.3328

Tritanomaly

22.2285, 0.2273, 0.3247

Monochromacy



Original Color

22.4524, 0.2353, 0.3669

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

15.1946, 0.2604, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4524, 0.2353, 0.3669 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, 147, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 129)  
}
```

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, 147, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 129) }
```

Border

The CSS property to change the border of an element to Yxy 22.4524, 0.2353, 0.3669 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, 147, 129) }
```

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

```
.border{ border-color:rgb(0, 147, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4524, 0.2353, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 129) }
```

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

```
.background{ background-color: rgb(0, 147,  
129) }
```

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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