

Converting Colors

$Yxy(24.5644, 0.2342, 0.3630)$

Have a look what the booklet for
Yxy(24.5644, 0.2342, 0.3630)
contains.

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Color

Yxy(24.5600, 0.2343, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	009988
RGB	0, 153, 136
RGB Percent	0%, 60%, 53%
CMY	0.9985, 0.4000, 0.4666
CMYK	1.00, 0.00, 0.11, 0.40
HSL	173°, 100%, 30%
HSV	173°, 100%, 60%
XYZ	15.8393, 24.5600, 27.2033
YIQ	105.3150, -85.7310, -37.7230

Conversions

Conversions Part 2

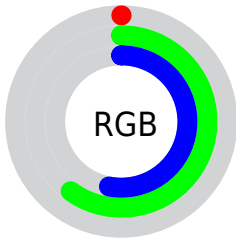
Format	Color
RYB	0, 81, 153
Decimal	39304
CIELab	56.64, -37.97, -0.72
CIELCh	57, 37.979, 181.081
Yxy	24.5600, 0.2343, 0.3633
Android (android.graphics.Color)	4278229384 (0xFF009988)
YUV	105.3150, 15.1277, -92.3613
Hunter-Lab	49.5580, -29.6761, 2.1453

Details

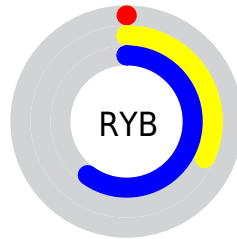
The Yxy color **24.5600, 0.2343, 0.3633** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.8216, 0.6238, 0.3213**, and the grayscale version is **14.2241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9097, 0.2510, 0.3564**, and **9.9792, 0.2371, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **24.5573, 0.2343, 0.3634**, and if you desaturate by 10%, it is **24.7146, 0.2352, 0.3596**.

Distribution



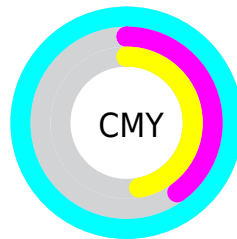
- Red (0%)
- Green (60%)
- Blue (53%)



- Red (0%)
- Yellow (32%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5600, 0.2343, 0.3633 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 24.5600, 0.2343, 0.3633 by changing the saturation by 10% instead.


 24.5600, 0.2343,
0.3633


 24.5600, 0.2343,
0.3633


275.6396, 0.2772,
0.3447


 15.7495, 0.2223,
0.3685


 50.9425, 0.2508,
0.3561


 9.3471, 0.2060,
0.3754


 69.2834, 0.2567,
0.3536


 4.9683, 0.1829,
0.3853

 91.5698, 0.2616,
0.3514

 2.2287, 0.1479,
0.3999

 118.1862, 0.2657,
0.3497

 0.7356, 0.0000,
0.4636

 149.5170, 0.2692,
0.3481

 0.0000, 0.0000,
0.0000

 185.9466, 0.2723,

0.3468

227.8593, 0.2749,
0.3457

■ 24.5600, 0.2343,
0.3633

■ 24.5600, 0.2343,
0.3633

■ 24.5573, 0.2343,
0.3634

■ 24.7146, 0.2352,
0.3596

■ 24.9478, 0.2374,
0.3558

■ 25.2945, 0.2414,
0.3520

■ 25.7689, 0.2473,
0.3483

■ 26.3829, 0.2549,
0.3446

■ 27.1474, 0.2642,
0.3411

■ 28.0718, 0.2749,
0.3377

■ 29.1651, 0.2868,
0.3345

■ 30.4355, 0.2996,
0.3316

Harmonies

Analogous

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



24.5600, 0.2882, 0.4246



24.5600, 0.2343, 0.3633



24.5600, 0.2031, 0.2969

Triad

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



24.5600, 0.2343, 0.3633



24.5600, 0.2642, 0.2316



24.5600, 0.4406, 0.3907

Complementary

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



24.5600, 0.2343, 0.3633



6.8216, 0.6238, 0.3213

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.



24.5600, 0.4361, 0.3411



24.5600, 0.2343, 0.3633



24.5600, 0.3275, 0.2546

Square

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



24.5600, 0.2343, 0.3633



24.5600, 0.2192, 0.2290



24.5600, 0.3929, 0.2932



24.5600, 0.4082, 0.4325

Rectangle

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



24.5600, 0.2343, 0.3633



24.5600, 0.1969, 0.2628



24.5600, 0.3929, 0.2932



24.5600, 0.4436, 0.3745

Sweetspot

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



24.5609, 0.2343, 0.3633



50.1270, 0.2739, 0.3380



22.9117, 0.3034, 0.5970



10.9221, 0.2697, 0.3393



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.5609, 0.2343, 0.3633



43.9660, 0.2345, 0.3641



10.3954, 0.1891, 0.2006



7.0147, 0.3003, 0.3315



20.3010, 0.2342, 0.3631



0.3064, 0.2296, 0.3464

Inverse Universe

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



6.8216, 0.6238, 0.3213



12.1869, 0.6274, 0.3230



9.8884, 0.5712, 0.3843



6.2333, 0.3267, 0.3266



5.6334, 0.6232, 0.3207



0.0868, 0.5569, 0.2842

Previews

White Background



This preview shows how the Yxy color 24.5600, 0.2343, 0.3633 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 24.5600, 0.2343, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

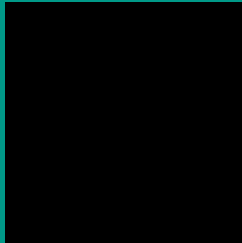
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5600, 0.2343, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 24.5600, 0.2343, 0.3633.

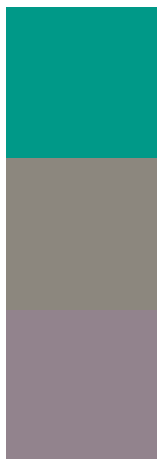


This preview shows how white text looks on a background with the Yxy color 24.5600, 0.2343, 0.3633.

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

24.5600, 0.2343, 0.3633

Protanopia

24.4098, 0.3280, 0.3444

Deuteranopia

24.2667, 0.3192, 0.3126



Tritanopia

24.5192, 0.2255, 0.3062

Trichromacy



Original Color

24.5600, 0.2343, 0.3633

Protanomaly

23.0816, 0.2719, 0.3522

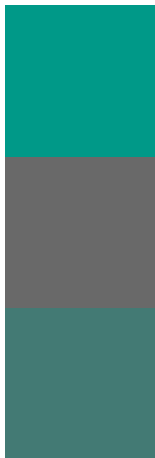
Deuteranomaly

22.6565, 0.2672, 0.3289

Tritanomaly

24.2993, 0.2273, 0.3249

Monochromacy



Original Color

24.5600, 0.2343, 0.3633

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

16.3733, 0.2598, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5600, 0.2343, 0.3633 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, 153, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 136)  
}
```

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, 153, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 136) }
```

Border

The CSS property to change the border of an element to Yxy 24.5600, 0.2343, 0.3633 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, 153, 136) }
```

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

```
.border{ border-color:rgb(0, 153, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5600, 0.2343, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 136) }
```

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

```
.background{ background-color: rgb(0, 153,  
136) }
```

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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