

Converting Colors

$Yxy(22.5051, 0.2149, 0.3730)$

Have a look what the booklet for
Yxy(22.5051, 0.2149, 0.3730)
contains.

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Color

Yxy(23.4244, 0.2363, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	009682
RGB	0, 150, 130
RGB Percent	0%, 59%, 51%
CMY	0.9994, 0.4118, 0.4903
CMYK	1.00, 0.00, 0.13, 0.41
HSL	172°, 100%, 29%
HSV	172°, 100%, 59%
XYZ	14.9357, 23.4244, 24.8466
YIQ	102.8700, -82.9800, -38.0200

Conversions

Conversions Part 2

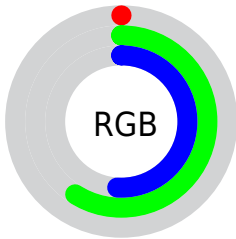
Format	Color
RYB	0, 80, 150
Decimal	38530
CIELab	55.51, -38.40, 1.07
CIELCh	56, 38.419, 178.403
Yxy	23.4244, 0.2363, 0.3706
Android (android.graphics.Color)	4278228610 (0xFF009682)
YUV	102.8700, 13.3751, -90.2170
Hunter-Lab	48.3988, -29.6132, 3.4413

Details

The Yxy color **23.4244, 0.2363, 0.3706** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.5383, 0.6196, 0.3188**, and the grayscale version is **13.5192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1078, 0.2525, 0.3614**, and **9.3294, 0.2393, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **23.4239, 0.2363, 0.3706**, and if you desaturate by 10%, it is **23.5815, 0.2370, 0.3660**.

Distribution



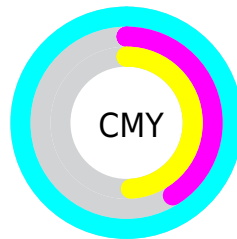
- Red (0%)
- Green (59%)
- Blue (51%)



- Red (0%)
- Yellow (31%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4244, 0.2363, 0.3706 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 23.4244, 0.2363, 0.3706 by changing the saturation by 10% instead.


 23.4244, 0.2363,
0.3706


 23.4244, 0.2363,
0.3706


 269.8974, 0.2786,
0.3475


 14.9072, 0.2242,
0.3773

 49.0893, 0.2527,
0.3616


 8.7543, 0.2078,
0.3865


 67.0057, 0.2586,
0.3584


 4.5813, 0.1841,
0.3998

 88.8240, 0.2634,
0.3557

 2.0037, 0.1460,
0.4216

 114.9286, 0.2674,
0.3535

 0.6096, 0.0000,
0.5086

 145.7038, 0.2708,
0.3517

 0.0000, 0.0000,
0.0000

 181.5341, 0.2738,

0.3501

222.8038, 0.2763,
0.3487

■ 23.4244, 0.2363,
0.3706

■ 23.4244, 0.2363,
0.3706

■ 23.4239, 0.2363,
0.3706

■ 23.5815, 0.2370,
0.3660

■ 23.8123, 0.2391,
0.3615

■ 24.1517, 0.2429,
0.3569

■ 24.6131, 0.2486,
0.3523

■ 25.2082, 0.2560,
0.3479

■ 25.9471, 0.2651,
0.3436

■ 26.8389, 0.2756,
0.3395

■ 27.8921, 0.2872,
0.3357

■ 29.1145, 0.2997,
0.3322

Harmonies

Analogous

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



23.4244, 0.2930, 0.4317



23.4244, 0.2363, 0.3706



23.4244, 0.2021, 0.3013

Triad

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



23.4244, 0.2363, 0.3706



23.4244, 0.2578, 0.2282



23.4244, 0.4453, 0.3875

Complementary

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



23.4244, 0.2363, 0.3706



6.5383, 0.6196, 0.3188

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.



23.4244, 0.4370, 0.3365



23.4244, 0.2363, 0.3706



23.4244, 0.3216, 0.2500

Square

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



23.4244, 0.2363, 0.3706



23.4244, 0.2139, 0.2274



23.4244, 0.3897, 0.2882



23.4244, 0.4147, 0.4318

Rectangle

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



23.4244, 0.2363, 0.3706



23.4244, 0.1943, 0.2649



23.4244, 0.3897, 0.2882



23.4244, 0.4472, 0.3707

Sweetspot

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



23.4253, 0.2363, 0.3706



47.2470, 0.2748, 0.3398



21.9912, 0.3049, 0.5960



10.3325, 0.2707, 0.3413



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.



23.4253, 0.2363, 0.3706



41.3184, 0.2365, 0.3715



10.8544, 0.1923, 0.2123



6.5490, 0.3006, 0.3320



19.4302, 0.2362, 0.3703



0.2408, 0.2300, 0.3481

Inverse Universe

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



6.5383, 0.6196, 0.3188



11.5170, 0.6232, 0.3207



8.9937, 0.5803, 0.3773



5.8273, 0.3263, 0.3261



5.4227, 0.6185, 0.3181



0.0688, 0.5422, 0.2761

Previews

White Background



This preview shows how the Yxy color 23.4244, 0.2363, 0.3706 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 23.4244, 0.2363, 0.3706 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 23.4244, 0.2363, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 23.4244, 0.2363, 0.3706.

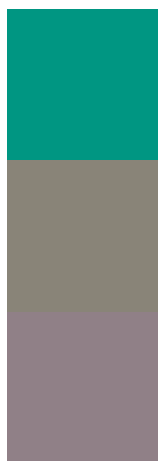


This preview shows how white text looks on a background with the Yxy color 23.4244, 0.2363, 0.3706.

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

23.4244, 0.2363, 0.3706

Protanopia

23.1770, 0.3316, 0.3500

Deuteranopia

23.1169, 0.3239, 0.3173



Tritanopia

23.4978, 0.2260, 0.3058

Trichromacy



Original Color

23.4244, 0.2363, 0.3706



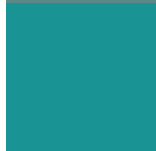
Protanomaly

21.9467, 0.2747, 0.3588



Deuteranomaly

21.5771, 0.2707, 0.3347



Tritanomaly

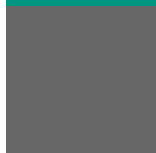
23.2252, 0.2280, 0.3268

Monochromacy



Original Color

23.4244, 0.2363, 0.3706



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.7834, 0.2610, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4244, 0.2363, 0.3706 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, 150, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 130)  
}
```

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, 150, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 130) }
```

Border

The CSS property to change the border of an element to Yxy 23.4244, 0.2363, 0.3706 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, 150, 130) }
```

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

```
.border{ border-color:rgb(0, 150, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4244, 0.2363, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 130) }
```

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

```
.background{ background-color: rgb(0, 150,  
130) }
```

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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