

Converting Colors

$Y_{xy}(23.1728, 0.2267, 0.3359)$

Have a look what the booklet for
Yxy(23.1728, 0.2267, 0.3359)
contains.

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Color

Yxy(23.1934, 0.2269, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	009490
RGB	0, 148, 144
RGB Percent	0%, 58%, 56%
CMY	0.9998, 0.4196, 0.4352
CMYK	1.00, 0.00, 0.03, 0.42
HSL	178°, 100%, 29%
HSV	178°, 100%, 58%
XYZ	15.6252, 23.1934, 30.0454
YIQ	103.2920, -86.9240, -32.6200

Conversions

Conversions Part 2

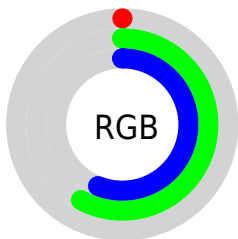
Format	Color
RYB	0, 75, 148
Decimal	38032
CIELab	55.27, -33.30, -7.33
CIELCh	55, 34.094, 192.409
Yxy	23.1934, 0.2269, 0.3368
Android (android.graphics.Color)	4278228112 (0xFF009490)
YUV	103.2920, 20.0690, -90.5871
Hunter-Lab	48.1595, -26.3653, -3.2777

Details

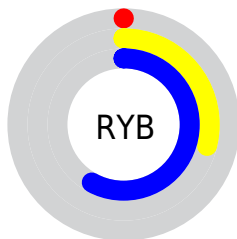
The Yxy color **23.1934, 0.2269, 0.3368** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3059, 0.6363, 0.3279**, and the grayscale version is **13.6129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9129, 0.2450, 0.3360**, and **9.1739, 0.2263, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **23.1939, 0.2269, 0.3368**, and if you desaturate by 10%, it is **23.3065, 0.2285, 0.3360**.

Distribution



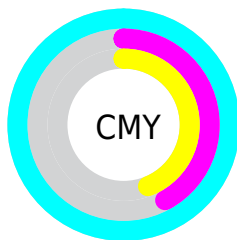
- Red (0%)
- Green (58%)
- Blue (56%)



- Red (0%)
- Yellow (29%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1934, 0.2269, 0.3368 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 23.1934, 0.2269, 0.3368 by changing the saturation by 10% instead.


 23.1934, 0.2269,
0.3368


 23.1934, 0.2269,
0.3368


 268.7168, 0.2737,
0.3336


 14.7364, 0.2139,
0.3372


 48.7107, 0.2449,
0.3359


 8.6346, 0.1964,
0.3373


 66.5398, 0.2513,
0.3355


 4.5036, 0.1718,
0.3365

 88.2616, 0.2567,
0.3351

 1.9591, 0.1351,
0.3332

 114.2607, 0.2611,
0.3347

 0.5835, 0.0000,
0.3348

 144.9213, 0.2650,
0.3344

 0.0000, 0.0000,
0.0000

 180.6280, 0.2683,

0.3341

221.7650, 0.2711,
0.3339

■ 23.1934, 0.2269,
0.3368

■ 23.1934, 0.2269,
0.3368

■ 23.1939, 0.2269,
0.3368

■ 23.3065, 0.2285,
0.3360

■ 23.4892, 0.2313,
0.3351

■ 23.7763, 0.2358,
0.3343

■ 24.1806, 0.2422,
0.3334

■ 24.7134, 0.2504,
0.3326

■ 25.3844, 0.2603,
0.3318

■ 26.2027, 0.2717,
0.3310

■ 27.1762, 0.2845,
0.3303

■ 28.3126, 0.2982,
0.3296

Harmonies

Analogous

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



23.1934, 0.2700, 0.3973



23.1934, 0.2269, 0.3368



23.1934, 0.2068, 0.2811

Triad

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



23.1934, 0.2269, 0.3368



23.1934, 0.2889, 0.2448



23.1934, 0.4227, 0.4028

Complementary

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



23.1934, 0.2269, 0.3368



6.3059, 0.6363, 0.3279

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.



23.1934, 0.4317, 0.3586



23.1934, 0.2269, 0.3368



23.1934, 0.3500, 0.2724

Square

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



23.1934, 0.2269, 0.3368



23.1934, 0.2397, 0.2350



23.1934, 0.4045, 0.3125



23.1934, 0.3834, 0.4337

Rectangle

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



23.1934, 0.2269, 0.3368



23.1934, 0.2071, 0.2553



23.1934, 0.4045, 0.3125



23.1934, 0.4296, 0.3889

Sweetspot

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



23.1943, 0.2269, 0.3368



46.1337, 0.2710, 0.3311



21.2121, 0.3009, 0.5992



10.3994, 0.2664, 0.3313



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.



23.1943, 0.2269, 0.3368



40.9203, 0.2269, 0.3370



7.7245, 0.1811, 0.1719



6.5596, 0.2993, 0.3296



19.8120, 0.2269, 0.3368



0.2432, 0.2257, 0.3324

Inverse Universe

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



6.3059, 0.6363, 0.3279



11.1201, 0.6374, 0.3285



10.5640, 0.5477, 0.4033



5.8178, 0.3278, 0.3284



5.3858, 0.6360, 0.3277



0.0664, 0.6166, 0.3170

Previews

White Background



This preview shows how the Yxy color 23.1934, 0.2269, 0.3368 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 23.1934, 0.2269, 0.3368 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 23.1934, 0.2269, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 23.1934, 0.2269, 0.3368.

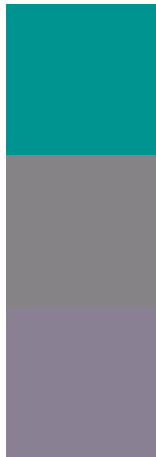


This preview shows how white text looks on a background with the Yxy color 23.1934, 0.2269, 0.3368.

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

23.1934, 0.2269, 0.3368

Protanopia

22.9404, 0.3118, 0.3238

Deuteranopia

22.8948, 0.3018, 0.2955



Tritanopia

23.3024, 0.2228, 0.3057

Trichromacy



Original Color

23.1934, 0.2269, 0.3368

Protanomaly

21.6576, 0.2608, 0.3269

Deuteranomaly

21.4608, 0.2547, 0.3060

Tritanomaly

23.3058, 0.2238, 0.3170

Monochromacy



Original Color

23.1934, 0.2269, 0.3368

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.6599, 0.2561, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1934, 0.2269, 0.3368 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, 148, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 144)  
}
```

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, 148, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 144) }
```

Border

The CSS property to change the border of an element to Yxy 23.1934, 0.2269, 0.3368 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, 148, 144) }
```

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

```
.border{ border-color:rgb(0, 148, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1934, 0.2269, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 144) }
```

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

```
.background{ background-color: rgb(0, 148,  
144) }
```

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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