

Converting Colors

$Yxy(22.4070, 0.1831, 0.2311)$

Have a look what the booklet for
Yxy(22.4070, 0.1831, 0.2311)
contains.

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Color

Yxy(23.4232, 0.1983, 0.2338)

Conversions

Conversions Part 1

Format	Color
Hex	008EC6
RGB	0, 142, 198
RGB Percent	0%, 56%, 78%
CMY	0.9992, 0.4431, 0.2236
CMYK	1.00, 0.28, 0.00, 0.22
HSL	197°, 100%, 39%
HSV	197°, 100%, 78%
XYZ	19.8666, 23.4232, 56.8949
YIQ	105.9260, -102.6080, -12.6880

Conversions

Conversions Part 2

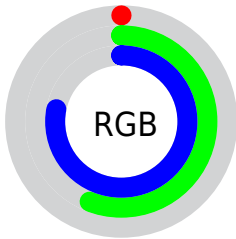
Format	Color
RYB	0, 83, 198
Decimal	36550
CIELab	55.51, -11.48, -37.80
CIELCh	56, 39.509, 253.106
Yxy	23.4232, 0.1983, 0.2338
Android (android.graphics.Color)	4278226630 (0xFF008EC6)
YUV	105.9260, 45.3925, -92.8971
Hunter-Lab	48.3975, -11.4234, -35.8216

Details

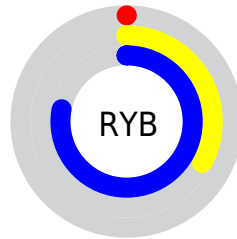
The Yxy color **23.4232, 0.1983, 0.2338** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **14.8516, 0.6008, 0.3611**, and the grayscale version is **14.3027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2965, 0.2208, 0.2541**, and **9.6679, 0.1913, 0.2087** is the 20% darker color. If you saturate the color by 10%, you get **23.4064, 0.1983, 0.2337**, and if you desaturate by 10%, it is **25.2814, 0.2030, 0.2443**.

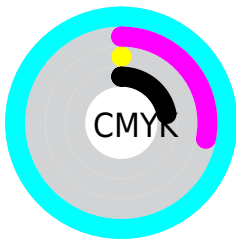
Distribution



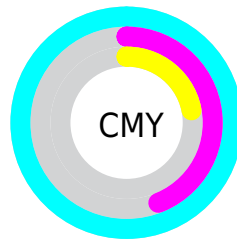
- Red (0%)
- Green (56%)
- Blue (78%)



- Red (0%)
- Yellow (33%)
- Blue (78%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4232, 0.1983, 0.2338 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 23.4232, 0.1983, 0.2338 by changing the saturation by 10% instead.

■ 23.4232, 0.1983,
0.2338

■ 23.4232, 0.1983,
0.2338

■ 269.8912, 0.2584,
0.2858

■ 14.9063, 0.1829,
0.2198

■ 49.0873, 0.2206,
0.2536

■ 8.7537, 0.1632,
0.2014

■ 67.0033, 0.2288,
0.2607

■ 4.5809, 0.1375,
0.1765

■ 88.8211, 0.2357,
0.2667

■ 2.0035, 0.1036,
0.1420

■ 114.9251, 0.2416,
0.2717

■ 0.6095, 0.0451,
0.0920

■ 145.6997, 0.2467,
0.2760

■ 0.0000, 0.0000,
0.0000

■ 181.5294, 0.2511,

0.2797

222.7984, 0.2550,
0.2829

■ 23.4232, 0.1983,
0.2338

■ 23.4232, 0.1983,
0.2338

■ 23.4064, 0.1983,
0.2337

■ 25.2814, 0.2030,
0.2443

■ 27.3748, 0.2094,
0.2549

■ 29.7571, 0.2178,
0.2656

■ 32.4569, 0.2280,
0.2762

■ 35.4984, 0.2399,
0.2864

■ 38.9030, 0.2532,
0.2962

■ 42.6901, 0.2674,
0.3055

■ 46.8774, 0.2823,
0.3140

■ 51.4815, 0.2976,
0.3219

Harmonies

Analogous

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



23.4232, 0.1923, 0.2717



23.4232, 0.1983, 0.2338



23.4232, 0.2304, 0.2224

Triad

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



23.4232, 0.1983, 0.2338



23.4232, 0.4200, 0.3105



23.4232, 0.3265, 0.4522

Complementary

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



23.4232, 0.1983, 0.2338



14.8516, 0.6008, 0.3611

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.



23.4232, 0.3911, 0.4496



23.4232, 0.1983, 0.2338



23.4232, 0.4501, 0.3621

Square

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



23.4232, 0.1983, 0.2338



23.4232, 0.3570, 0.2655



23.4232, 0.4376, 0.4126



23.4232, 0.2616, 0.4075

Rectangle

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



23.4232, 0.1983, 0.2338



23.4232, 0.2655, 0.2280



23.4232, 0.4376, 0.4126



23.4232, 0.3490, 0.4565

Sweetspot

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



23.4240, 0.1983, 0.2338



75.2173, 0.2666, 0.3050



40.6424, 0.2911, 0.5677



15.4706, 0.2605, 0.3011



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.4240, 0.1983, 0.2338



41.0106, 0.1978, 0.2322



6.0593, 0.1570, 0.0850



11.5404, 0.2984, 0.3223



15.3744, 0.1987, 0.2351



0.8465, 0.2047, 0.2570

Inverse Universe

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



13.9619, 0.4087, 0.2025



24.6712, 0.4104, 0.2034



34.4095, 0.4678, 0.4667



10.7634, 0.3180, 0.3126



9.0920, 0.4073, 0.2018



0.4425, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 23.4232, 0.1983, 0.2338 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 23.4232, 0.1983, 0.2338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

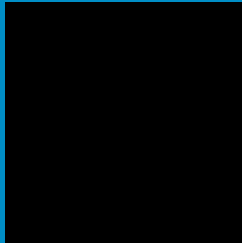
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4232, 0.1983, 0.2338

Background



This preview shows how black text looks on a background with the Yxy color 23.4232, 0.1983, 0.2338.

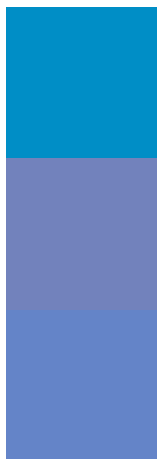


This preview shows how white text looks on a background with the Yxy color 23.4232, 0.1983, 0.2338.

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

23.4232, 0.1983, 0.2338

Protanopia

23.1735, 0.2450, 0.2366

Deuteranopia

23.3820, 0.2275, 0.2222



Tritanopia

23.3361, 0.2187, 0.3074

Trichromacy



Original Color

23.4232, 0.1983, 0.2338



Protanomaly

22.2724, 0.2162, 0.2317



Deuteranomaly

22.8218, 0.2094, 0.2251



Tritanomaly

23.2679, 0.2103, 0.2769

Monochromacy



Original Color

23.4232, 0.1983, 0.2338



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.2867, 0.2402, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4232, 0.1983, 0.2338 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, 142, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 198)  
}
```

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, 142, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.4232, 0.1983, 0.2338 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, 142, 198) }
```

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

```
.border{ border-color:rgb(0, 142, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4232, 0.1983, 0.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 198) }
```

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

```
.background{ background-color: rgb(0, 142,  
198) }
```

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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