

Converting Colors

$Yxy(23.0552, 0.1991, 0.2773)$

Have a look what the booklet for
Yxy(23.0552, 0.1991, 0.2773)
contains.

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Color

Yxy(23.9234, 0.2109, 0.2791)

Conversions

Conversions Part 1

Format	Color
Hex	0093AE
RGB	0, 147, 174
RGB Percent	0%, 58%, 68%
CMY	0.9986, 0.4236, 0.3176
CMYK	1.00, 0.16, 0.00, 0.32
HSL	189°, 100%, 34%
HSV	189°, 100%, 68%
XYZ	18.0776, 23.9234, 43.7153
YIQ	106.1250, -96.2790, -22.7670

Conversions

Conversions Part 2

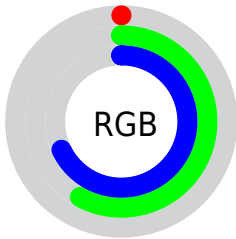
Format	Color
RYB	0, 80, 174
Decimal	37806
CIELab	56.01, -22.85, -23.39
CIELCh	56, 32.696, 225.667
Yxy	23.9234, 0.2109, 0.2791
Android (android.graphics.Color)	4278227886 (0xFF0093AE)
YUV	106.1250, 33.4624, -93.0716
Hunter-Lab	48.9116, -19.6222, -18.7531

Details

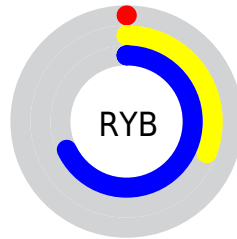
The Yxy color **23.9234, 0.2109, 0.2791** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.8018, 0.6240, 0.3424**, and the grayscale version is **14.4050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8136, 0.2309, 0.2898**, and **9.7709, 0.2060, 0.2615** is the 20% darker color. If you saturate the color by 10%, you get **23.9050, 0.2108, 0.2790**, and if you desaturate by 10%, it is **24.9001, 0.2142, 0.2845**.

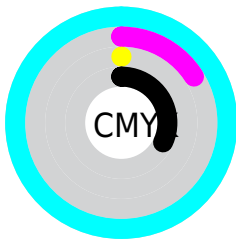
Distribution



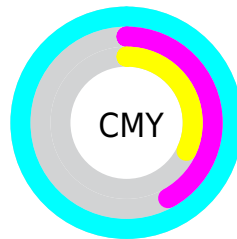
- Red (0%)
- Green (58%)
- Blue (68%)



- Red (0%)
- Yellow (31%)
- Blue (68%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (42%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9234, 0.2109, 0.2791 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 23.9234, 0.2109, 0.2791 by changing the saturation by 10% instead.


 23.9234, 0.2109,
0.2791


 23.9234, 0.2109,
0.2791


 272.4330, 0.2650,
0.3081


 15.2768, 0.1966,
0.2704


 49.9052, 0.2312,
0.2907

 9.0139, 0.1779,
0.2584


 68.0091, 0.2387,
0.2947

 4.7502, 0.1526,
0.2407

 90.0344, 0.2449,
0.2980

 2.1015, 0.1176,
0.2130

 116.3652, 0.2501,
0.3007

 0.6655, 0.0193,
0.1715

 147.3861, 0.2546,
0.3030

 0.0000, 0.0000,
0.0000

 183.4814, 0.2586,

0.3049

225.0356, 0.2620,
0.3066

■ 23.9234, 0.2109,
0.2791

■ 23.9234, 0.2109,
0.2791

■ 23.9050, 0.2108,
0.2790

■ 24.9001, 0.2142,
0.2845

■ 26.0058, 0.2189,
0.2900

■ 27.2826, 0.2256,
0.2955

■ 28.7503, 0.2341,
0.3009

■ 30.4259, 0.2443,
0.3063

■ 32.3240, 0.2561,
0.3114

■ 34.4582, 0.2691,
0.3163

■ 36.8406, 0.2832,
0.3209

■ 39.4827, 0.2979,
0.3252

Harmonies

Analogous

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



23.9234, 0.2278, 0.3303



23.9234, 0.2109, 0.2791



23.9234, 0.2178, 0.2481

Triad

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



23.9234, 0.2109, 0.2791



23.9234, 0.3546, 0.2787



23.9234, 0.3750, 0.4302

Complementary

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



23.9234, 0.2109, 0.2791



9.8018, 0.6240, 0.3424

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.



23.9234, 0.4146, 0.4038



23.9234, 0.2109, 0.2791



23.9234, 0.4041, 0.3182

Square

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



23.9234, 0.2109, 0.2791



23.9234, 0.2963, 0.2507



23.9234, 0.4264, 0.3625



23.9234, 0.3207, 0.4268

Rectangle

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



23.9234, 0.2109, 0.2791



23.9234, 0.2352, 0.2399



23.9234, 0.4264, 0.3625



23.9234, 0.3905, 0.4240

Sweetspot

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



23.9242, 0.2109, 0.2791



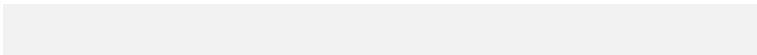
62.1954, 0.2681, 0.3160



30.3556, 0.2964, 0.5867



13.4591, 0.2626, 0.3140



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.9242, 0.2109, 0.2791



43.0849, 0.2106, 0.2781



6.4104, 0.1649, 0.1134



8.8566, 0.2986, 0.3254



17.4063, 0.2110, 0.2796



0.5404, 0.2156, 0.2960

Inverse Universe

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



11.1141, 0.3643, 0.1781



20.1126, 0.3653, 0.1786



20.8627, 0.4971, 0.4433



8.1263, 0.3160, 0.3101



8.0602, 0.3638, 0.1778



0.2299, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 23.9234, 0.2109, 0.2791 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 23.9234, 0.2109, 0.2791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

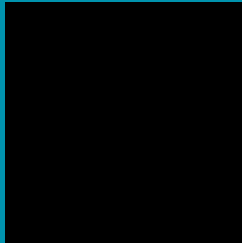
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9234, 0.2109, 0.2791

Background



This preview shows how black text looks on a background with the Yxy color 23.9234, 0.2109, 0.2791.

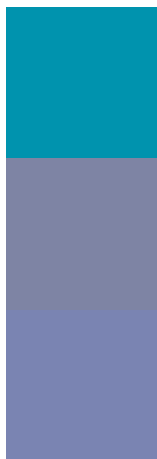


This preview shows how white text looks on a background with the Yxy color 23.9234, 0.2109, 0.2791.

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

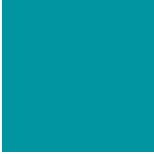
23.9234, 0.2109, 0.2791

Protanopia

23.6185, 0.2751, 0.2759

Deuteranopia

23.8545, 0.2597, 0.2548



Tritanopia

24.0330, 0.2188, 0.3076

Trichromacy



Original Color

23.9234, 0.2109, 0.2791



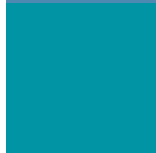
Protanomaly

22.4239, 0.2353, 0.2731



Deuteranomaly

22.6853, 0.2285, 0.2589



Tritanomaly

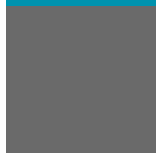
23.8964, 0.2157, 0.2966

Monochromacy



Original Color

23.9234, 0.2109, 0.2791



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.5424, 0.2474, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9234, 0.2109, 0.2791 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 174) }
```

Border

The CSS property to change the border of an element to Yxy 23.9234, 0.2109, 0.2791 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, 174) }
```

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

```
.border{ border-color:rgb(0, 147, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9234, 0.2109, 0.2791 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, 174) }
```

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

```
.background{ background-color: rgb(0, 147,  
174) }
```

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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