

Converting Colors

$Yxy(23.7032, 0.2223, 0.3203)$

Have a look what the booklet for
Yxy(23.7032, 0.2223, 0.3203)
contains.

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Color

Yxy(23.7948, 0.2225, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	009599
RGB	0, 149, 153
RGB Percent	0%, 58%, 60%
CMY	0.9992, 0.4157, 0.4000
CMYK	1.00, 0.03, 0.00, 0.40
HSL	182°, 100%, 30%
HSV	182°, 100%, 60%
XYZ	16.4984, 23.7948, 33.8570
YIQ	104.9050, -90.0880, -30.3440

Conversions

Conversions Part 2

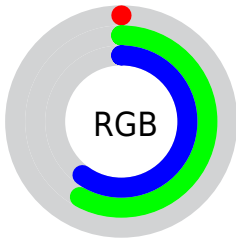
Format	Color
RYB	0, 75, 153
Decimal	38297
CIELab	55.88, -30.92, -11.56
CIElCh	56, 33.011, 200.502
Yxy	23.7948, 0.2225, 0.3209
Android (android.graphics.Color)	4278228377 (0xFF009599)
YUV	104.9050, 23.7108, -92.0017
Hunter-Lab	48.7799, -24.9923, -7.0058

Details

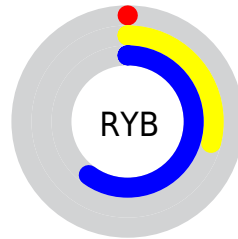
The Yxy color **23.7948, 0.2225, 0.3209** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.8633, 0.6374, 0.3319**, and the grayscale version is **14.0698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8644, 0.2413, 0.3246**, and **9.6947, 0.2215, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **23.7926, 0.2225, 0.3209**, and if you desaturate by 10%, it is **24.0270, 0.2245, 0.3217**.

Distribution



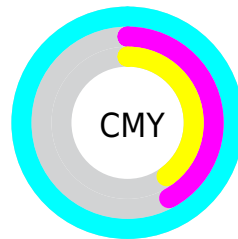
- Red (0%)
- Green (58%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (40%)




- Cyan (100%)
- Magenta (42%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7948, 0.2225, 0.3209 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 23.7948, 0.2225, 0.3209 by changing the saturation by 10% instead.

 23.7948, 0.2225,
0.3209


 23.7948, 0.2225,
0.3209


 271.7814, 0.2712,
0.3269

 15.1815, 0.2092,
0.3185


 49.6951, 0.2410,
0.3236


 8.9468, 0.1915,
0.3148


 67.7509, 0.2477,
0.3245


 4.7065, 0.1669,
0.3085

 89.7230, 0.2533,
0.3251

 2.0761, 0.1312,
0.2965

 115.9958, 0.2580,
0.3256

 0.6511, 0.0000,
0.2855

 146.9536, 0.2620,
0.3260

 0.0000, 0.0000,
0.0000

 182.9809, 0.2655,

0.3264

224.4620, 0.2685,
0.3266

■ 23.7948, 0.2225,
0.3209

■ 23.7948, 0.2225,
0.3209

■ 23.7926, 0.2225,
0.3209

■ 24.0270, 0.2245,
0.3217

■ 24.3366, 0.2278,
0.3226

■ 24.7593, 0.2328,
0.3234

■ 25.3091, 0.2396,
0.3243

■ 25.9981, 0.2483,
0.3252

■ 26.8371, 0.2587,
0.3260

■ 27.8356, 0.2706,
0.3268

■ 29.0025, 0.2838,
0.3276

■ 30.3460, 0.2980,
0.3283

Harmonies

Analogous

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



23.7948, 0.2588, 0.3798



23.7948, 0.2225, 0.3209



23.7948, 0.2094, 0.2719

Triad

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



23.7948, 0.2225, 0.3209



23.7948, 0.3053, 0.2534



23.7948, 0.4108, 0.4102

Complementary

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



23.7948, 0.2225, 0.3209



6.8633, 0.6374, 0.3319

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.



23.7948, 0.4281, 0.3699



23.7948, 0.2225, 0.3209



23.7948, 0.3642, 0.2840

Square

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



23.7948, 0.2225, 0.3209



23.7948, 0.2535, 0.2390



23.7948, 0.4110, 0.3251



23.7948, 0.3674, 0.4332

Rectangle

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



23.7948, 0.2225, 0.3209



23.7948, 0.2140, 0.2510



23.7948, 0.4110, 0.3251



23.7948, 0.4200, 0.3980

Sweetspot

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



23.7957, 0.2225, 0.3209



49.7148, 0.2697, 0.3268



22.7877, 0.2996, 0.5985



10.8196, 0.2649, 0.3264



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.



23.7957, 0.2225, 0.3209



42.5692, 0.2224, 0.3207



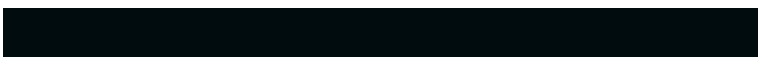
7.2059, 0.1764, 0.1550



6.9988, 0.2989, 0.3284



19.6740, 0.2225, 0.3210



0.3016, 0.2235, 0.3247

Inverse Universe

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



8.9461, 0.3274, 0.1578



16.0100, 0.3276, 0.1578



12.3854, 0.5335, 0.4144



6.3209, 0.3141, 0.3076



7.3914, 0.3274, 0.1577



0.1113, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 23.7948, 0.2225, 0.3209 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 23.7948, 0.2225, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

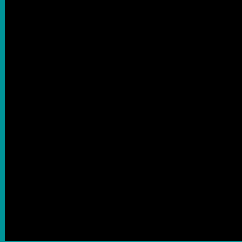
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7948, 0.2225, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 23.7948, 0.2225, 0.3209.

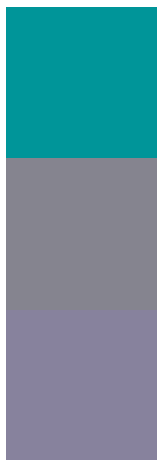


This preview shows how white text looks on a background with the Yxy color 23.7948, 0.2225, 0.3209.

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

23.7948, 0.2225, 0.3209

Protanopia

23.4722, 0.3024, 0.3102

Deuteranopia

23.5505, 0.2906, 0.2845



Tritanopia

23.9000, 0.2212, 0.3058

Trichromacy



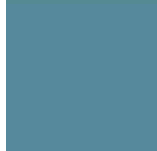
Original Color

23.7948, 0.2225, 0.3209



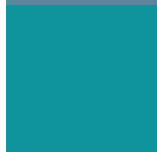
Protanomaly

22.2148, 0.2540, 0.3118



Deuteranomaly

22.2701, 0.2478, 0.2937



Tritanomaly

23.7157, 0.2215, 0.3113

Monochromacy



Original Color

23.7948, 0.2225, 0.3209



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.2732, 0.2542, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7948, 0.2225, 0.3209 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, 149, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 153)  
}
```

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, 149, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 153) }
```

Border

The CSS property to change the border of an element to Yxy 23.7948, 0.2225, 0.3209 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, 149, 153) }
```

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

```
.border{ border-color:rgb(0, 149, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7948, 0.2225, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 153) }
```

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

```
.background{ background-color: rgb(0, 149,  
153) }
```

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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