

Converting Colors

$Yxy(21.0390, 0.2205, 0.3136)$

Have a look what the booklet for
Yxy(21.0390, 0.2205, 0.3136)
contains.

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Color

Yxy(20.8943, 0.2201, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	008C94
RGB	0, 140, 148
RGB Percent	0%, 55%, 58%
CMY	1.0000, 0.4510, 0.4197
CMYK	1.00, 0.05, 0.00, 0.42
HSL	183°, 100%, 29%
HSV	183°, 100%, 58%
XYZ	14.7210, 20.8943, 31.2679
YIQ	99.0520, -86.0080, -27.1920

Conversions

Conversions Part 2

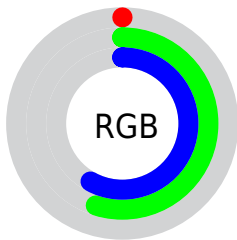
Format	Color
RYB	0, 72, 148
Decimal	35988
CIELab	52.83, -28.18, -13.27
CIELCh	53, 31.150, 205.217
Yxy	20.8943, 0.2201, 0.3124
Android (android.graphics.Color)	4278226068 (0xFF008C94)
YUV	99.0520, 24.1314, -86.8686
Hunter-Lab	45.7103, -22.5071, -8.5598




Details

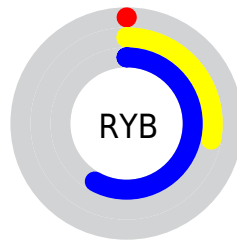
The Yxy color **20.8943, 0.2201, 0.3124** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.4678, 0.6350, 0.3340**, and the grayscale version is **12.4461, 0.3127, 0.3290**.




A 20% lighter version of the original color is **44.9225, 0.2399, 0.3171**, and **8.0078, 0.2179, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **20.8959, 0.2201, 0.3124**, and if you desaturate by 10%, it is **21.2298, 0.2225, 0.3141**.

Distribution







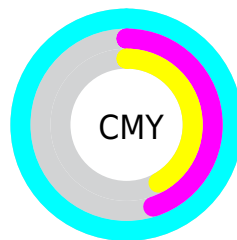
-  Red (0%)
-  Green (55%)
-  Blue (58%)






-  Red (0%)
-  Yellow (28%)
-  Blue (58%)



-  Cyan (100%)
-  Magenta (5%)
-  Yellow (0%)
-  Black (42%)





-  Cyan (100%)
-  Magenta (45%)
-  Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8943, 0.2201, 0.3124 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 20.8943, 0.2201, 0.3124 by changing the saturation by 10% instead.


 20.8943, 0.2201,
0.3124


 20.8943, 0.2201,
0.3124


256.7162, 0.2709,
0.3233

 13.0468, 0.2059,
0.3084


 44.9116, 0.2397,
0.3172

 7.4608, 0.1868,
0.3024


 61.8501, 0.2467,
0.3187


 3.7519, 0.1599,
0.2924

 82.5877, 0.2525,
0.3199

 1.5358, 0.1183,
0.2743

 107.5088, 0.2574,
0.3209

 0.3137, 0.0000,
0.1941

 136.9978, 0.2615,
0.3217

 0.0000, 0.0000,
0.0000

 171.4391, 0.2651,

0.3223

211.2171, 0.2682,
0.3229

■ 20.8943, 0.2201,
0.3124

■ 20.8943, 0.2201,
0.3124

■ 20.8959, 0.2201,
0.3124

■ 21.2298, 0.2225,
0.3141

■ 21.6357, 0.2261,
0.3159

■ 22.1474, 0.2314,
0.3177

■ 22.7781, 0.2386,
0.3195

■ 23.5387, 0.2476,
0.3212

■ 24.4393, 0.2582,
0.3229

■ 25.4886, 0.2703,
0.3246

■ 26.6948, 0.2836,
0.3262

■ 28.0655, 0.2978,
0.3276

Harmonies

Analogous

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



20.8943, 0.2526, 0.3702



20.8943, 0.2201, 0.3124



20.8943, 0.2108, 0.2670

Triad

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



20.8943, 0.2201, 0.3124



20.8943, 0.3145, 0.2582



20.8943, 0.4041, 0.4142

Complementary

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



20.8943, 0.2201, 0.3124



6.4678, 0.6350, 0.3340

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.



20.8943, 0.4259, 0.3763



20.8943, 0.2201, 0.3124



20.8943, 0.3721, 0.2904

Square

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



20.8943, 0.2201, 0.3124



20.8943, 0.2613, 0.2411



20.8943, 0.4145, 0.3321



20.8943, 0.3585, 0.4327

Rectangle

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



20.8943, 0.2201, 0.3124



20.8943, 0.2178, 0.2486



20.8943, 0.4145, 0.3321



20.8943, 0.4147, 0.4030

Sweetspot

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



20.8959, 0.2201, 0.3124



44.8640, 0.2695, 0.3245



21.1916, 0.2989, 0.5959



10.0737, 0.2647, 0.3239



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.



20.8959, 0.2201, 0.3124



36.7954, 0.2200, 0.3121



6.1038, 0.1735, 0.1445



6.5092, 0.2990, 0.3278



17.8650, 0.2201, 0.3125



0.2318, 0.2226, 0.3213

Inverse Universe

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



8.1883, 0.3346, 0.1617



14.4425, 0.3349, 0.1619



12.2379, 0.5238, 0.4223



5.9038, 0.3145, 0.3083



6.9968, 0.3346, 0.1617



0.0870, 0.3271, 0.1576

Previews

White Background



This preview shows how the Yxy color 20.8943, 0.2201, 0.3124 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 20.8943, 0.2201, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

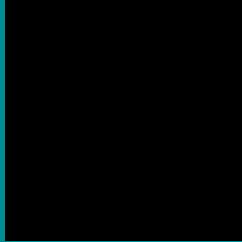
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8943, 0.2201, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 20.8943, 0.2201, 0.3124.

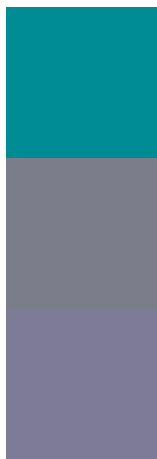


This preview shows how white text looks on a background with the Yxy color 20.8943, 0.2201, 0.3124.

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

20.8943, 0.2201, 0.3124

Protanopia

20.7873, 0.2975, 0.3056

Deuteranopia

20.7929, 0.2843, 0.2787



Tritanopia

21.0921, 0.2204, 0.3066

Trichromacy



Original Color

20.8943, 0.2201, 0.3124



Protanomaly

19.5805, 0.2506, 0.3050



Deuteranomaly

19.6404, 0.2442, 0.2864



Tritanomaly

21.0227, 0.2202, 0.3085

Monochromacy



Original Color

20.8943, 0.2201, 0.3124



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.3757, 0.2525, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8943, 0.2201, 0.3124 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, 140, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 148)  
}
```

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, 140, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 148) }
```

Border

The CSS property to change the border of an element to Yxy 20.8943, 0.2201, 0.3124 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, 140, 148) }
```

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

```
.border{ border-color:rgb(0, 140, 148) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8943, 0.2201, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 148) }
```

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

```
.background{ background-color: rgb(0, 140,  
148) }
```

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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