

Converting Colors

$Y_{xy}(23.7550, 0.2109, 0.2792)$

Have a look what the booklet for
Yxy(23.7550, 0.2109, 0.2792)
contains.

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Color

Yxy(23.8846, 0.2113, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	0093AD
RGB	0, 147, 173
RGB Percent	0%, 58%, 68%
CMY	1.0000, 0.4235, 0.3215
CMYK	1.00, 0.15, 0.00, 0.32
HSL	189°, 100%, 34%
HSV	189°, 100%, 68%
XYZ	17.9730, 23.8846, 43.2015
YIQ	106.0110, -95.9580, -23.0780

Conversions

Conversions Part 2

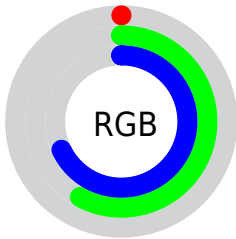
Format	Color
RYB	0, 79, 173
Decimal	37805
CIELab	55.97, -23.24, -22.87
CIELCh	56, 32.606, 224.550
Yxy	23.8846, 0.2113, 0.2808
Android (android.graphics.Color)	4278227885 (0xFF0093AD)
YUV	106.0110, 33.0256, -92.9716
Hunter-Lab	48.8719, -19.8811, -18.2006

Details

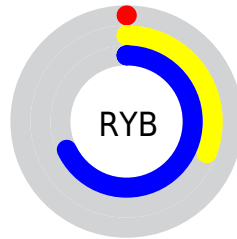
The Yxy color **23.8846, 0.2113, 0.2808** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.6238, 0.6252, 0.3418**, and the grayscale version is **14.3458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7019, 0.2318, 0.2923**, and **9.7462, 0.2066, 0.2638** is the 20% darker color. If you saturate the color by 10%, you get **23.8881, 0.2113, 0.2808**, and if you desaturate by 10%, it is **24.8278, 0.2146, 0.2860**.

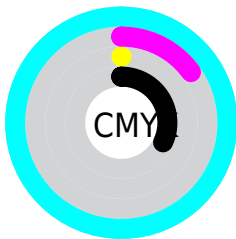
Distribution



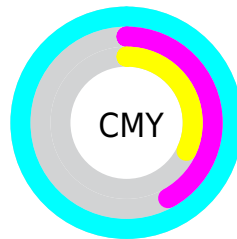
- Red (0%)
- Green (58%)
- Blue (68%)



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



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (32%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8846, 0.2113, 0.2808 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 23.8846, 0.2113, 0.2808 by changing the saturation by 10% instead.


 23.8846, 0.2113,
0.2808


 23.8846, 0.2113,
0.2808


 272.2365, 0.2652,
0.3089


 15.2480, 0.1970,
0.2723


 49.8418, 0.2316,
0.2920

 8.9937, 0.1783,
0.2606


 67.9313, 0.2390,
0.2959

 4.7370, 0.1531,
0.2432

 89.9405, 0.2452,
0.2991

 2.0938, 0.1180,
0.2160

 116.2538, 0.2504,
0.3017

 0.6611, 0.0162,
0.1751

 147.2557, 0.2549,
0.3040

 0.0000, 0.0000,
0.0000

 183.3305, 0.2588,

0.3058

224.8627, 0.2622,
0.3075

■ 23.8846, 0.2113,
0.2808

■ 23.8846, 0.2113,
0.2808

■ 23.8881, 0.2113,
0.2808

■ 24.8278, 0.2146,
0.2860

■ 25.8925, 0.2192,
0.2913

■ 27.1243, 0.2257,
0.2966

■ 28.5428, 0.2341,
0.3018

■ 30.1646, 0.2442,
0.3070

■ 32.0045, 0.2559,
0.3120

■ 34.0755, 0.2689,
0.3167

■ 36.3899, 0.2829,
0.3211

■ 38.9588, 0.2976,
0.3252

Harmonies

Analogous

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



23.8846, 0.2290, 0.3325



23.8846, 0.2113, 0.2808



23.8846, 0.2173, 0.2490

Triad

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



23.8846, 0.2113, 0.2808



23.8846, 0.3523, 0.2775



23.8846, 0.3767, 0.4294

Complementary

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



23.8846, 0.2113, 0.2808



9.6238, 0.6252, 0.3418

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.



23.8846, 0.4154, 0.4023



23.8846, 0.2113, 0.2808



23.8846, 0.4025, 0.3166

Square

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



23.8846, 0.2113, 0.2808



23.8846, 0.2942, 0.2501



23.8846, 0.4259, 0.3608



23.8846, 0.3228, 0.4274

Rectangle

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



23.8846, 0.2113, 0.2808



23.8846, 0.2341, 0.2402



23.8846, 0.4259, 0.3608



23.8846, 0.3920, 0.4229

Sweetspot

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



23.8881, 0.2113, 0.2808



60.8167, 0.2682, 0.3164



29.9645, 0.2964, 0.5869



12.8796, 0.2628, 0.3145



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.8881, 0.2113, 0.2808



42.5258, 0.2111, 0.2799



6.3074, 0.1648, 0.1131



8.8639, 0.2986, 0.3255



17.6138, 0.2115, 0.2814



0.5446, 0.2159, 0.2972

Inverse Universe

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



10.9920, 0.3627, 0.1772



19.6588, 0.3635, 0.1776



20.5741, 0.4973, 0.4433



8.1271, 0.3160, 0.3099



8.0812, 0.3622, 0.1769



0.2303, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 23.8846, 0.2113, 0.2808 looks on a white background.

Color Contrast Check

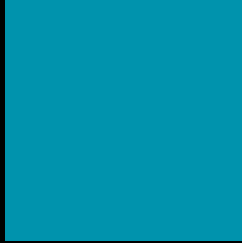
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8846, 0.2113, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

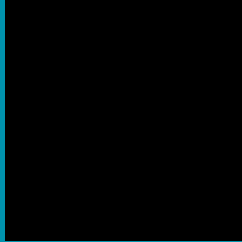
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8846, 0.2113, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 23.8846, 0.2113, 0.2808.



This preview shows how white text looks on a background with the Yxy color 23.8846, 0.2113, 0.2808.

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

23.8846, 0.2113, 0.2808

Protanopia

23.6589, 0.2770, 0.2775

Deuteranopia

23.6179, 0.2612, 0.2547



Tritanopia

23.7179, 0.2182, 0.3057

Trichromacy



Original Color

23.8846, 0.2113, 0.2808

Protanomaly

22.4307, 0.2366, 0.2748

Deuteranomaly

22.6456, 0.2291, 0.2604

Tritanomaly

23.8964, 0.2157, 0.2966

Monochromacy



Original Color

23.8846, 0.2113, 0.2808

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.4797, 0.2475, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8846, 0.2113, 0.2808 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 173) }
```

Border

The CSS property to change the border of an element to Yxy 23.8846, 0.2113, 0.2808 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, 173) }
```

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

```
.border{ border-color:rgb(0, 147, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8846, 0.2113, 0.2808 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, 173) }
```

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

```
.background{ background-color: rgb(0, 147,  
173) }
```

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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