

Converting Colors

$Yxy(21.0462, 0.1693, 0.2713)$

Have a look what the booklet for
Yxy(21.0462, 0.1693, 0.2713)
contains.

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Color

Yxy(23.6138, 0.2103, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	0092AE
RGB	0, 146, 174
RGB Percent	0%, 57%, 68%
CMY	1.0000, 0.4274, 0.3176
CMYK	1.00, 0.16, 0.00, 0.32
HSL	190°, 100%, 34%
HSV	190°, 100%, 68%
XYZ	17.9148, 23.6138, 43.6583
YIQ	105.5380, -96.0040, -22.2440

Conversions

Conversions Part 2

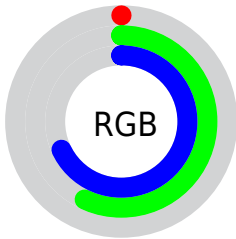
Format	Color
RYB	0, 79, 174
Decimal	37550
CIELab	55.70, -22.37, -23.86
CIELCh	56, 32.707, 226.847
Yxy	23.6138, 0.2103, 0.2772
Android (android.graphics.Color)	4278227630 (0xFF0092AE)
YUV	105.5380, 33.7518, -92.5568
Hunter-Lab	48.5940, -19.2333, -19.2520

Details

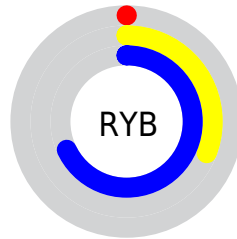
The Yxy color **23.6138, 0.2103, 0.2772** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.8288, 0.6237, 0.3430**, and the grayscale version is **14.2082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3489, 0.2306, 0.2884**, and **9.5896, 0.2052, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **23.6173, 0.2103, 0.2772**, and if you desaturate by 10%, it is **24.6138, 0.2137, 0.2828**.

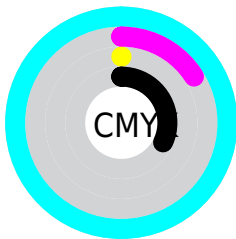
Distribution



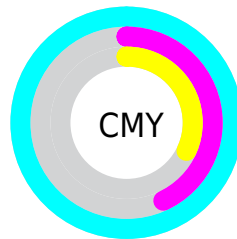
- Red (0%)
- Green (57%)
- Blue (68%)



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



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



- Cyan (100%)
- Magenta (43%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6138, 0.2103, 0.2772 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 23.6138, 0.2103, 0.2772 by changing the saturation by 10% instead.

23.6138, 0.2103,
0.2772

23.6138, 0.2103,
0.2772

270.8621, 0.2648,
0.3072

15.0474, 0.1959,
0.2682

49.3992, 0.2308,
0.2892

8.8526, 0.1770,
0.2557

67.3871, 0.2383,
0.2934

4.6452, 0.1515,
0.2375

89.2841, 0.2445,
0.2968

2.0406, 0.1162,
0.2090

115.4748, 0.2498,
0.2996

0.6309, 0.0140,
0.1654

146.3436, 0.2544,
0.3019

0.0000, 0.0000,
0.0000

182.2748, 0.2583,

0.3040

223.6529, 0.2618,
0.3057

■ 23.6138, 0.2103,
0.2772

■ 23.6138, 0.2103,
0.2772

■ 23.6173, 0.2103,
0.2772

■ 24.6138, 0.2137,
0.2828

■ 25.7397, 0.2185,
0.2885

■ 27.0376, 0.2251,
0.2942

■ 28.5275, 0.2337,
0.2999

■ 30.2261, 0.2439,
0.3054

■ 32.1484, 0.2557,
0.3107

■ 34.3079, 0.2688,
0.3158

■ 36.7167, 0.2829,
0.3206

■ 39.3864, 0.2976,
0.3250

Harmonies

Analogous

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



23.6138, 0.2263, 0.3280



23.6138, 0.2103, 0.2772



23.6138, 0.2182, 0.2470

Triad

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



23.6138, 0.2103, 0.2772



23.6138, 0.3570, 0.2799



23.6138, 0.3733, 0.4312

Complementary

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



23.6138, 0.2103, 0.2772



9.8288, 0.6237, 0.3430

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.



23.6138, 0.4139, 0.4055



23.6138, 0.2103, 0.2772



23.6138, 0.4060, 0.3198

Square

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



23.6138, 0.2103, 0.2772



23.6138, 0.2984, 0.2512



23.6138, 0.4271, 0.3644



23.6138, 0.3185, 0.4264

Rectangle

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



23.6138, 0.2103, 0.2772



23.6138, 0.2362, 0.2393



23.6138, 0.4271, 0.3644



23.6138, 0.3891, 0.4253

Sweetspot

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



23.6173, 0.2103, 0.2772



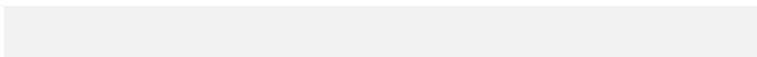
62.0110, 0.2681, 0.3155



30.3476, 0.2964, 0.5869



13.4130, 0.2626, 0.3135



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.



23.6173, 0.2103, 0.2772



42.5622, 0.2101, 0.2762



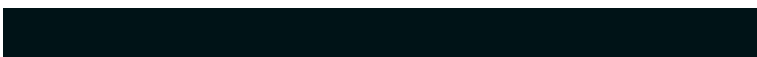
6.3829, 0.1647, 0.1130



8.8494, 0.2986, 0.3253



17.2019, 0.2105, 0.2778



0.5362, 0.2152, 0.2949

Inverse Universe

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



11.0745, 0.3661, 0.1790



20.0599, 0.3670, 0.1795



20.8316, 0.4974, 0.4433



8.1256, 0.3161, 0.3102



8.0396, 0.3655, 0.1787



0.2295, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 23.6138, 0.2103, 0.2772 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 23.6138, 0.2103, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

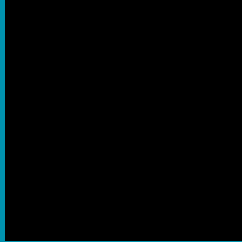
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6138, 0.2103, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 23.6138, 0.2103, 0.2772.

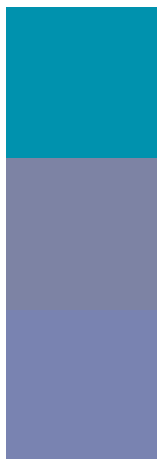


This preview shows how white text looks on a background with the Yxy color 23.6138, 0.2103, 0.2772.

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

23.6138, 0.2103, 0.2772

Protanopia

23.2729, 0.2740, 0.2740

Deuteranopia

23.4719, 0.2594, 0.2544



Tritanopia

23.6830, 0.2188, 0.3075

Trichromacy



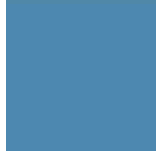
Original Color

23.6138, 0.2103, 0.2772



Protanomaly

22.1409, 0.2350, 0.2712



Deuteranomaly

22.3207, 0.2281, 0.2584



Tritanomaly

23.5478, 0.2157, 0.2964

Monochromacy



Original Color

23.6138, 0.2103, 0.2772



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.5067, 0.2466, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6138, 0.2103, 0.2772 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, 146, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 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, 146, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 174) }
```

Border

The CSS property to change the border of an element to Yxy 23.6138, 0.2103, 0.2772 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, 146, 174) }
```

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

```
.border{ border-color:rgb(0, 146, 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, 146, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6138, 0.2103, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 174) }
```

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

```
.background{ background-color: rgb(0, 146,  
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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