

Converting Colors

$Y_{xy}(22.5140, 0.2008, 0.2790)$

Have a look what the booklet for
Yxy(22.5140, 0.2008, 0.2790)
contains.

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Color

Yxy(23.1911, 0.2112, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	0091AB
RGB	0, 145, 171
RGB Percent	0%, 57%, 67%
CMY	1.0000, 0.4314, 0.3295
CMYK	1.00, 0.15, 0.00, 0.33
HSL	189°, 100%, 34%
HSV	189°, 100%, 67%
XYZ	17.4740, 23.1911, 42.0716
YIQ	104.6090, -94.7660, -22.6540

Conversions

Conversions Part 2

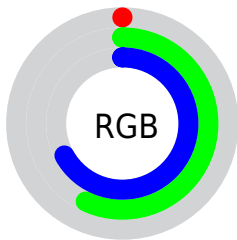
Format	Color
RYB	0, 78, 171
Decimal	37291
CIELab	55.27, -22.89, -22.79
CIELCh	55, 32.300, 224.886
Yxy	23.1911, 0.2112, 0.2803
Android (android.graphics.Color)	4278227371 (0xFF0091AB)
YUV	104.6090, 32.7308, -91.7421
Hunter-Lab	48.1571, -19.5056, -18.0876

Details

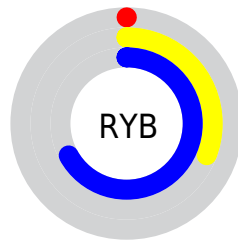
The Yxy color **23.1911, 0.2112, 0.2803** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.3929, 0.6249, 0.3421**, and the grayscale version is **13.9450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6131, 0.2316, 0.2920**, and **9.3373, 0.2063, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **23.1919, 0.2112, 0.2803**, and if you desaturate by 10%, it is **24.1149, 0.2145, 0.2856**.

Distribution



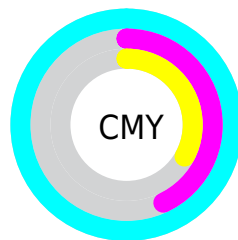
- Red (0%)
- Green (57%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1911, 0.2112, 0.2803 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 23.1911, 0.2112, 0.2803 by changing the saturation by 10% instead.


 23.1911, 0.2112,
0.2803


 23.1911, 0.2112,
0.2803


268.7050, 0.2654,
0.3088


 14.7347, 0.1967,
0.2717


 48.7069, 0.2316,
0.2917


 8.6334, 0.1778,
0.2596


 66.5351, 0.2391,
0.2957


 4.5028, 0.1521,
0.2418

 88.2560, 0.2453,
0.2989

 1.9586, 0.1162,
0.2137

 114.2540, 0.2506,
0.3016

 0.5833, 0.0000,
0.1693

 144.9135, 0.2551,
0.3038

 0.0000, 0.0000,
0.0000

 180.6189, 0.2590,

0.3057

221.7546, 0.2624,
0.3073

■ 23.1911, 0.2112,
0.2803

■ 23.1911, 0.2112,
0.2803

■ 23.1919, 0.2112,
0.2803

■ 24.1149, 0.2145,
0.2856

■ 25.1594, 0.2191,
0.2909

■ 26.3670, 0.2257,
0.2963

■ 27.7566, 0.2341,
0.3016

■ 29.3445, 0.2443,
0.3068

■ 31.1448, 0.2560,
0.3118

■ 33.1703, 0.2689,
0.3166

■ 35.4329, 0.2829,
0.3210

■ 37.9434, 0.2976,
0.3252

Harmonies

Analogous

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



23.1911, 0.2287, 0.3318



23.1911, 0.2112, 0.2803



23.1911, 0.2175, 0.2487

Triad

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



23.1911, 0.2112, 0.2803



23.1911, 0.3530, 0.2779



23.1911, 0.3762, 0.4297

Complementary

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



23.1911, 0.2112, 0.2803



9.3929, 0.6249, 0.3421

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.



23.1911, 0.4151, 0.4027



23.1911, 0.2112, 0.2803



23.1911, 0.4029, 0.3171

Square

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



23.1911, 0.2112, 0.2803



23.1911, 0.2949, 0.2503



23.1911, 0.4261, 0.3613



23.1911, 0.3222, 0.4272

Rectangle

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



23.1911, 0.2112, 0.2803



23.1911, 0.2344, 0.2401



23.1911, 0.4261, 0.3613



23.1911, 0.3915, 0.4232

Sweetspot

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



23.1919, 0.2112, 0.2803



59.2209, 0.2682, 0.3163



29.1902, 0.2963, 0.5868



12.8660, 0.2628, 0.3144



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.



23.1919, 0.2112, 0.2803



41.2968, 0.2110, 0.2794



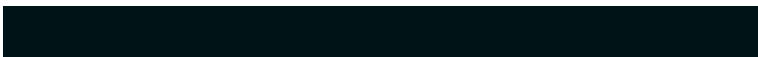
6.1546, 0.1648, 0.1133



8.8617, 0.2986, 0.3255



17.5498, 0.2113, 0.2808



0.5433, 0.2158, 0.2968

Inverse Universe

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



10.6999, 0.3632, 0.1774



19.1433, 0.3640, 0.1779



20.0538, 0.4972, 0.4434



8.1269, 0.3160, 0.3100



8.0747, 0.3627, 0.1772



0.2302, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 23.1911, 0.2112, 0.2803 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 23.1911, 0.2112, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

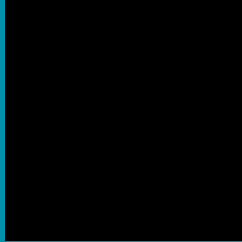
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1911, 0.2112, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 23.1911, 0.2112, 0.2803.

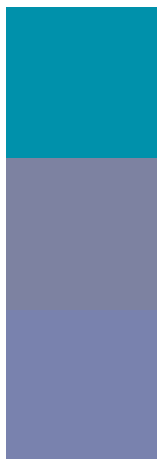


This preview shows how white text looks on a background with the Yxy color 23.1911, 0.2112, 0.2803.

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

23.1911, 0.2112, 0.2803

Protanopia

22.8984, 0.2766, 0.2769

Deuteranopia

23.0862, 0.2616, 0.2569



Tritanopia

23.3361, 0.2187, 0.3074

Trichromacy



Original Color

23.1911, 0.2112, 0.2803

Protanomaly

21.7500, 0.2366, 0.2742

Deuteranomaly

21.9229, 0.2295, 0.2612

Tritanomaly

23.2021, 0.2156, 0.2962

Monochromacy



Original Color

23.1911, 0.2112, 0.2803

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

16.2112, 0.2479, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1911, 0.2112, 0.2803 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, 145, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 171)  
}
```

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, 145, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 171) }
```

Border

The CSS property to change the border of an element to Yxy 23.1911, 0.2112, 0.2803 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, 145, 171) }
```

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

```
.border{ border-color:rgb(0, 145, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1911, 0.2112, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 171) }
```

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

```
.background{ background-color: rgb(0, 145,  
171) }
```

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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