

Converting Colors

$Y_{xy}(30.7192, 0.2062, 0.2836)$

Have a look what the booklet for
Yxy(30.7192, 0.2062, 0.2836)
contains.

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Color

Yxy(31.1227, 0.2122, 0.2839)

Conversions

Conversions Part 1

Format	Color
Hex	00A6C1
RGB	0, 166, 193
RGB Percent	0%, 65%, 76%
CMY	1.0000, 0.3490, 0.2431
CMYK	1.00, 0.14, 0.00, 0.24
HSL	188°, 100%, 38%
HSV	188°, 100%, 76%
XYZ	23.2625, 31.1227, 55.2403
YIQ	119.4440, -107.6030, -26.7950

Conversions

Conversions Part 2

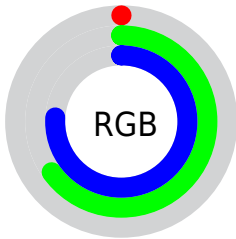
Format	Color
RYB	0, 89, 193
Decimal	42689
CIELab	62.61, -26.08, -23.98
CIELCh	63, 35.428, 222.591
Yxy	31.1227, 0.2122, 0.2839
Android (android.graphics.Color)	4278232769 (0xFF00A6C1)
YUV	119.4440, 36.2631, -104.7524
Hunter-Lab	55.7877, -23.1970, -19.6568

Details

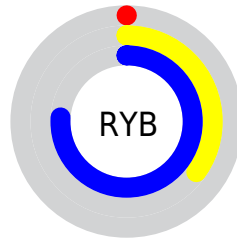
The Yxy color **31.1227, 0.2122, 0.2839** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **12.1236, 0.6276, 0.3399**, and the grayscale version is **18.5049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2677, 0.2306, 0.2928**, and **13.8987, 0.2089, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **31.1238, 0.2122, 0.2839**, and if you desaturate by 10%, it is **32.2578, 0.2151, 0.2888**.

Distribution



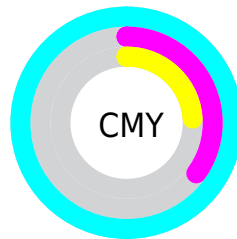
- Red (0%)
- Green (65%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1227, 0.2122, 0.2839 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 31.1227, 0.2122, 0.2839 by changing the saturation by 10% instead.


 31.1227, 0.2122,
0.2839


 31.1227, 0.2122,
0.2839

307.1032, 0.2635,
0.3093


 20.6923, 0.1993,
0.2767


 61.4332, 0.2309,
0.2938

 12.8993, 0.1829,
0.2668


 82.0821, 0.2380,
0.2973


 7.3592, 0.1613,
0.2529

 106.9059, 0.2439,
0.3002

 3.6878, 0.1322,
0.2320

 136.2891, 0.2489,
0.3027

 1.5005, 0.0914,
0.1987

 170.6160, 0.2533,
0.3047

 0.2891, 0.0000,
0.1076

210.2711, 0.2571,

 0.0000, 0.0000,

0.3065

0.0000

255.6387, 0.2605,
0.3080

■ 31.1227, 0.2122,
0.2839

■ 31.1227, 0.2122,
0.2839

■ 31.1238, 0.2122,
0.2839

■ 32.2578, 0.2151,
0.2888

■ 33.5531, 0.2196,
0.2937

■ 35.0602, 0.2259,
0.2986

■ 36.8049, 0.2341,
0.3035

■ 38.8091, 0.2441,
0.3083

■ 41.0920, 0.2557,
0.3130

■ 43.6709, 0.2687,
0.3174

■ 46.5616, 0.2827,
0.3216

■ 49.7786, 0.2975,
0.3255

Harmonies

Analogous

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



31.1227, 0.2314, 0.3363



31.1227, 0.2122, 0.2839



31.1227, 0.2167, 0.2508

Triad

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



31.1227, 0.2122, 0.2839



31.1227, 0.3484, 0.2756



31.1227, 0.3795, 0.4279

Complementary

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



31.1227, 0.2122, 0.2839



12.1236, 0.6276, 0.3399

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.



31.1227, 0.4165, 0.3995



31.1227, 0.2122, 0.2839



31.1227, 0.3994, 0.3139

Square

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



31.1227, 0.2122, 0.2839



31.1227, 0.2908, 0.2492



31.1227, 0.4249, 0.3579



31.1227, 0.3265, 0.4281

Rectangle

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



31.1227, 0.2122, 0.2839



31.1227, 0.2324, 0.2411



31.1227, 0.4249, 0.3579



31.1227, 0.3943, 0.4208

Sweetspot

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



31.1238, 0.2122, 0.2839



77.9740, 0.2681, 0.3172



38.2191, 0.2972, 0.5898



16.2951, 0.2624, 0.3154



97.7402, 0.3127, 0.3290



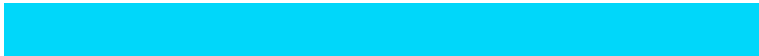
20.4902, 0.3127, 0.3290

Same Dimension

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



31.1238, 0.2122, 0.2839



55.4597, 0.2120, 0.2832



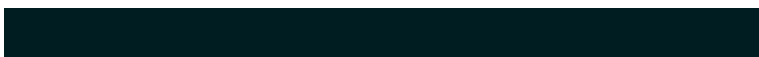
8.3283, 0.1656, 0.1163



11.1803, 0.2984, 0.3257



20.7859, 0.2124, 0.2845



0.9656, 0.2154, 0.2954

Inverse Universe

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



14.0924, 0.3599, 0.1756



25.2081, 0.3606, 0.1760



25.3176, 0.5027, 0.4391



10.2225, 0.3158, 0.3094



9.3806, 0.3593, 0.1753



0.4121, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 31.1227, 0.2122, 0.2839 looks on a white background.

Color Contrast Check

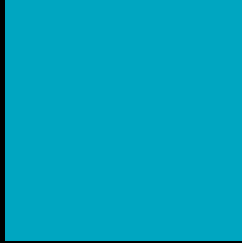
Large Text (above 18pt) WCAG AA × Fail

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 31.1227, 0.2122, 0.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

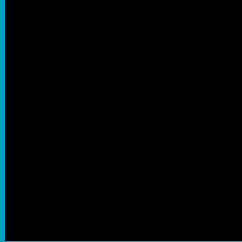
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1227, 0.2122, 0.2839

Background



This preview shows how black text looks on a background with the Yxy color 31.1227, 0.2122, 0.2839.

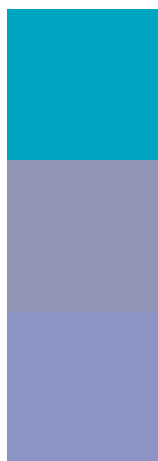


This preview shows how white text looks on a background with the Yxy color 31.1227, 0.2122, 0.2839.

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

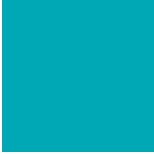
31.1227, 0.2122, 0.2839

Protanopia

30.7604, 0.2796, 0.2812

Deuteranopia

30.7865, 0.2637, 0.2579



Tritanopia

30.9736, 0.2180, 0.3047

Trichromacy



Original Color

31.1227, 0.2122, 0.2839



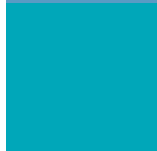
Protanomaly

29.2208, 0.2386, 0.2801



Deuteranomaly

29.5521, 0.2306, 0.2640



Tritanomaly

31.1402, 0.2162, 0.2982

Monochromacy



Original Color

31.1227, 0.2122, 0.2839



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.2201, 0.2475, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1227, 0.2122, 0.2839 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, 166, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 193)  
}
```

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, 166, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 193) }
```

Border

The CSS property to change the border of an element to Yxy 31.1227, 0.2122, 0.2839 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, 166, 193) }
```

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

```
.border{ border-color:rgb(0, 166, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1227, 0.2122, 0.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 193) }
```

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

```
.background{ background-color: rgb(0, 166,  
193) }
```

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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