

Converting Colors

$Y_{xy}(31.4230, 0.2091, 0.2727)$

Have a look what the booklet for
Yxy(31.4230, 0.2091, 0.2727)
contains.

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Color

Yxy(31.4426, 0.2093, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	00A6C8
RGB	0, 166, 200
RGB Percent	0%, 65%, 78%
CMY	1.0000, 0.3490, 0.2156
CMYK	1.00, 0.17, 0.00, 0.22
HSL	190°, 100%, 39%
HSV	190°, 100%, 78%
XYZ	24.0619, 31.4426, 59.4593
YIQ	120.2420, -109.8500, -24.6180

Conversions

Conversions Part 2

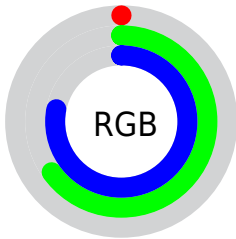
Format	Color
RYB	0, 91, 200
Decimal	42696
CIELab	62.88, -23.70, -27.48
CIELCh	63, 36.283, 229.223
Yxy	31.4426, 0.2093, 0.2735
Android (android.graphics.Color)	4278232776 (0xFF00A6C8)
YUV	120.2420, 39.3207, -105.4522
Hunter-Lab	56.0737, -21.5324, -23.6182

Details

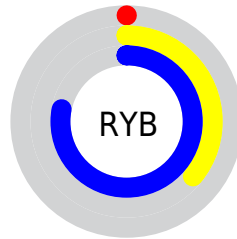
The Yxy color **31.4426, 0.2093, 0.2735** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.4282, 0.6235, 0.3431**, and the grayscale version is **18.7634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6422, 0.2290, 0.2871**, and **14.1100, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **31.4447, 0.2093, 0.2735**, and if you desaturate by 10%, it is **32.8469, 0.2126, 0.2795**.

Distribution



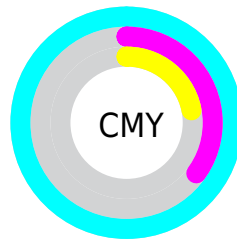
- Red (0%)
- Green (65%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4426, 0.2093, 0.2735 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 31.4426, 0.2093, 0.2735 by changing the saturation by 10% instead.

 31.4426, 0.2093,
0.2735


 31.4426, 0.2093,
0.2735

308.5722, 0.2618,
0.3042

 20.9361, 0.1963,
0.2650


 61.9362, 0.2284,
0.2853

 13.0773, 0.1797,
0.2537


 82.6922, 0.2356,
0.2895


 7.4818, 0.1581,
0.2379


 107.6334, 0.2416,
0.2930

 3.7652, 0.1293,
0.2149

 137.1442, 0.2468,
0.2960

 1.5431, 0.0903,
0.1795

 171.6092, 0.2513,
0.2985

 0.3188, 0.0000,
0.0977

211.4125, 0.2552,

 0.0000, 0.0000,

0.3006

0.0000

256.9388, 0.2587,
0.3025

■ 31.4426, 0.2093,
0.2735

■ 31.4426, 0.2093,
0.2735

■ 31.4447, 0.2093,
0.2735

■ 32.8469, 0.2126,
0.2795

■ 34.4358, 0.2174,
0.2856

■ 36.2651, 0.2241,
0.2917

■ 38.3632, 0.2327,
0.2978

■ 40.7541, 0.2431,
0.3037

■ 43.4589, 0.2551,
0.3094

■ 46.4966, 0.2683,
0.3149

■ 49.8846, 0.2825,
0.3200

■ 53.6389, 0.2974,
0.3247

Harmonies

Analogous

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



31.4426, 0.2235, 0.3233



31.4426, 0.2093, 0.2735



31.4426, 0.2191, 0.2449

Triad

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



31.4426, 0.2093, 0.2735



31.4426, 0.3619, 0.2823



31.4426, 0.3697, 0.4330

Complementary

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



31.4426, 0.2093, 0.2735



13.4282, 0.6235, 0.3431

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.



31.4426, 0.4123, 0.4088



31.4426, 0.2093, 0.2735



31.4426, 0.4097, 0.3232

Square

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



31.4426, 0.2093, 0.2735



31.4426, 0.3028, 0.2523



31.4426, 0.4282, 0.3681



31.4426, 0.3139, 0.4253

Rectangle

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



31.4426, 0.2093, 0.2735



31.4426, 0.2384, 0.2384



31.4426, 0.4282, 0.3681



31.4426, 0.3861, 0.4278

Sweetspot

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



31.4447, 0.2093, 0.2735



80.2414, 0.2677, 0.3147



41.4320, 0.2961, 0.5858



16.6805, 0.2619, 0.3124



0.0000, 0.0000, 0.0000



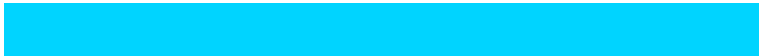
21.4041, 0.3127, 0.3290

Same Dimension

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



31.4447, 0.2093, 0.2735



54.1206, 0.2091, 0.2727



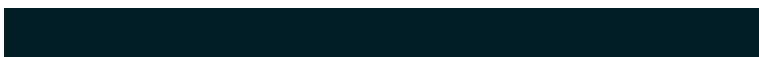
8.1471, 0.1631, 0.1070



11.7486, 0.2984, 0.3250



20.1028, 0.2096, 0.2744



1.0354, 0.2130, 0.2869

Inverse Universe

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



15.0361, 0.3695, 0.1809



25.9946, 0.3703, 0.1814



29.1540, 0.4937, 0.4462



10.7844, 0.3163, 0.3100



9.5694, 0.3687, 0.1805



0.4615, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 31.4426, 0.2093, 0.2735 looks on a white background.

Color Contrast Check

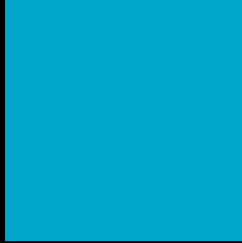
Large Text (above 18pt) WCAG AA × Fail

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 31.4426, 0.2093, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

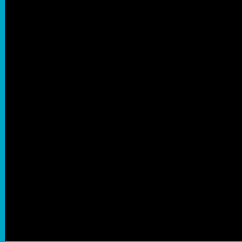
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4426, 0.2093, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 31.4426, 0.2093, 0.2735.

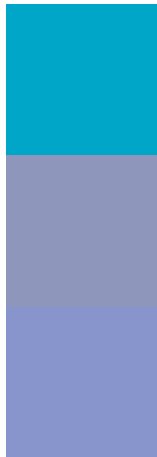


This preview shows how white text looks on a background with the Yxy color 31.4426, 0.2093, 0.2735.

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

31.4426, 0.2093, 0.2735

Protanopia

31.1943, 0.2725, 0.2729

Deuteranopia

31.0888, 0.2557, 0.2500



Tritanopia

31.3415, 0.2185, 0.3065

Trichromacy



Original Color

31.4426, 0.2093, 0.2735



Protanomaly

29.7564, 0.2337, 0.2714



Deuteranomaly

29.7807, 0.2258, 0.2544



Tritanomaly

31.2683, 0.2148, 0.2934

Monochromacy



Original Color

31.4426, 0.2093, 0.2735



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.5977, 0.2456, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4426, 0.2093, 0.2735 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 200) }
```

Border

The CSS property to change the border of an element to Yxy 31.4426, 0.2093, 0.2735 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, 200) }
```

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

```
.border{ border-color:rgb(0, 166, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4426, 0.2093, 0.2735 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, 200) }
```

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

```
.background{ background-color: rgb(0, 166,  
200) }
```

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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