

Converting Colors

$Y_{xy}(31.5869, 0.1999, 0.2390)$

Have a look what the booklet for
Yxy(31.5869, 0.1999, 0.2390)
contains.

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Color

Yxy(31.4877, 0.2000, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	03A3DE
RGB	3, 163, 222
RGB Percent	1%, 64%, 87%
CMY	0.9880, 0.3608, 0.1295
CMYK	0.99, 0.27, 0.00, 0.13
HSL	196°, 97%, 44%
HSV	196°, 99%, 87%
XYZ	26.3165, 31.4877, 73.7783
YIQ	121.8860, -114.2990, -15.5710

Conversions

Conversions Part 2

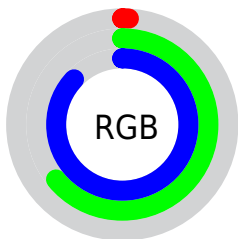
Format	Color
RYB	3, 95, 222
Decimal	238558
CIELab	62.92, -14.27, -39.60
CIELCh	63, 42.095, 250.179
Yxy	31.4877, 0.2000, 0.2393
Android (android.graphics.Color)	4278428638 (0xFF03A3DE)
YUV	121.8860, 49.3562, -104.2630
Hunter-Lab	56.1139, -14.4857, -38.6745

Details

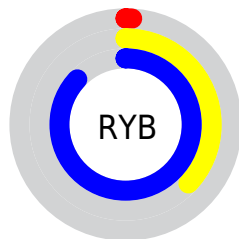
The Yxy color **31.4877, 0.2000, 0.2393** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.9788, 0.6021, 0.3587**, and the grayscale version is **19.2923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3661, 0.2298, 0.2834**, and **14.1589, 0.1934, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **31.1785, 0.1994, 0.2379**, and if you desaturate by 10%, it is **33.8526, 0.2045, 0.2493**.

Distribution



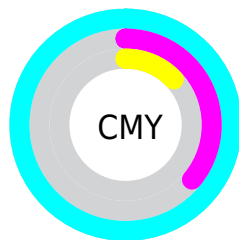
- Red (1%)
- Green (64%)
- Blue (87%)



- Red (1%)
- Yellow (37%)
- Blue (87%)



- Cyan (99%)
- Magenta (27%)
- Yellow (0%)
- Black (13%)



- Cyan (99%)
- Magenta (36%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4877, 0.2000, 0.2393 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 31.4877, 0.2000, 0.2393 by changing the saturation by 10% instead.


 31.4877, 0.2000,
0.2393


 31.4877, 0.2000,
0.2393


308.7789, 0.2565,
0.2864

 20.9705, 0.1863,
0.2272


 62.0071, 0.2203,
0.2567

 13.1024, 0.1692,
0.2118


 82.7781, 0.2280,
0.2632


 7.4991, 0.1474,
0.1914


 107.7358, 0.2346,
0.2686

 3.7762, 0.1192,
0.1638

 137.2646, 0.2402,
0.2732

 1.5492, 0.0830,
0.1258

 171.7489, 0.2451,
0.2772

 0.3230, 0.0000,
0.0593

211.5732, 0.2494,

 0.0000, 0.0000,

0.2807

0.0000

257.1217, 0.2531,
0.2837

■ 31.4877, 0.2000,
0.2393

■ 31.4877, 0.2000,
0.2393

■ 31.1785, 0.1994,
0.2379

■ 33.8526, 0.2045,
0.2493

■ 36.5332, 0.2109,
0.2595

■ 39.5856, 0.2193,
0.2696

■ 43.0467, 0.2296,
0.2797

■ 46.9479, 0.2415,
0.2894

■ 51.3172, 0.2548,
0.2988

■ 56.1797, 0.2691,
0.3075

■ 61.5584, 0.2841,
0.3157

■ 67.4747, 0.2994,
0.3231

Harmonies

Analogous

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



31.4877, 0.1968, 0.2789



31.4877, 0.2000, 0.2393



31.4877, 0.2289, 0.2257

Triad

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



31.4877, 0.2000, 0.2393



31.4877, 0.4114, 0.3066



31.4877, 0.3328, 0.4494

Complementary

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



31.4877, 0.2000, 0.2393



18.9788, 0.6021, 0.3587

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.



31.4877, 0.3943, 0.4433



31.4877, 0.2000, 0.2393



31.4877, 0.4444, 0.3565

Square

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



31.4877, 0.2000, 0.2393



31.4877, 0.3488, 0.2638



31.4877, 0.4365, 0.4060



31.4877, 0.2691, 0.4104

Rectangle

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



31.4877, 0.2000, 0.2393



31.4877, 0.2615, 0.2296



31.4877, 0.4365, 0.4060



31.4877, 0.3544, 0.4521

Sweetspot

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



31.4888, 0.2000, 0.2393



75.8150, 0.2668, 0.3062



52.5894, 0.2910, 0.5667



15.6141, 0.2606, 0.3025



0.0000, 0.0000, 0.0000



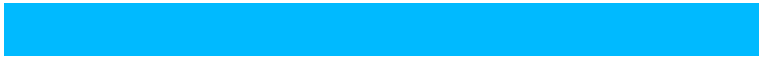
21.4041, 0.3127, 0.3290

Same Dimension

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



31.4888, 0.2000, 0.2393



42.4714, 0.1992, 0.2372



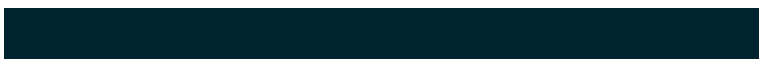
7.9426, 0.1575, 0.0860



14.9151, 0.2982, 0.3225



18.7171, 0.1998, 0.2394



1.4429, 0.2041, 0.2549

Inverse Universe

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



18.2361, 0.4029, 0.1999



24.8187, 0.4052, 0.2006



44.6165, 0.4671, 0.4665



13.8693, 0.3179, 0.3120



10.7975, 0.4029, 0.1993



0.7631, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 31.4877, 0.2000, 0.2393 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 31.4877, 0.2000, 0.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

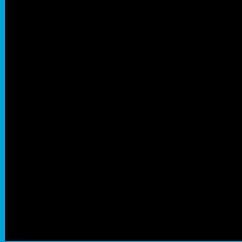
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4877, 0.2000, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 31.4877, 0.2000, 0.2393.



This preview shows how white text looks on a background with the Yxy color 31.4877, 0.2000, 0.2393.

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

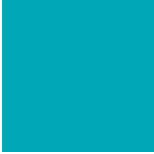
31.4877, 0.2000, 0.2393

Protanopia

31.1846, 0.2488, 0.2412

Deuteranopia

31.1709, 0.2312, 0.2245



Tritanopia

31.3415, 0.2185, 0.3065

Trichromacy



Original Color

31.4877, 0.2000, 0.2393



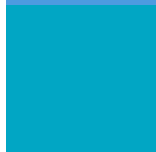
Protanomaly

29.9959, 0.2190, 0.2375



Deuteranomaly

30.4023, 0.2114, 0.2277



Tritanomaly

31.2644, 0.2110, 0.2794

Monochromacy



Original Color

31.4877, 0.2000, 0.2393



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.0222, 0.2414, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4877, 0.2000, 0.2393 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(3, 163, 222)` looks like.

```
.text, #text, p{  
    color:rgb(3, 163, 222)  
}
```

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(3, 163, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 163, 222) }
```

Border

The CSS property to change the border of an element to Yxy 31.4877, 0.2000, 0.2393 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(3, 163, 222) }
```

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

```
.border{ border-color:rgb(3, 163, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 163, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 163, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 163, 222);  
box-shadow:4px 4px 4px 4px rgb(3, 163,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4877, 0.2000, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 163, 222) }
```

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

```
.background{ background-color: rgb(3, 163,  
222) }
```

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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