

Converting Colors

$Y_{xy}(31.8142, 0.2080, 0.2687)$

Have a look what the booklet for
Yxy(31.8142, 0.2080, 0.2687)
contains.

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Color

Yxy(31.6321, 0.2077, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	00A6CC
RGB	0, 166, 204
RGB Percent	0%, 65%, 80%
CMY	1.0000, 0.3490, 0.1999
CMYK	1.00, 0.19, 0.00, 0.20
HSL	191°, 100%, 40%
HSV	191°, 100%, 80%
XYZ	24.5332, 31.6321, 61.9531
YIQ	120.6980, -111.1340, -23.3740

Conversions

Conversions Part 2

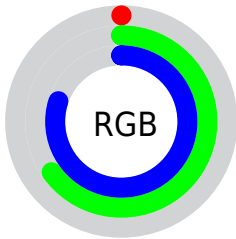
Format	Color
RYB	0, 92, 204
Decimal	42700
CIELab	63.04, -22.33, -29.46
CIELCh	63, 36.962, 232.840
Yxy	31.6321, 0.2077, 0.2678
Android (android.graphics.Color)	4278232780 (0xFF00A6CC)
YUV	120.6980, 41.0679, -105.8521
Hunter-Lab	56.2424, -20.5618, -25.9404

Details

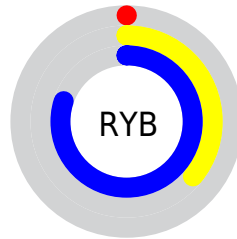
The Yxy color **31.6321, 0.2077, 0.2678** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.2278, 0.6210, 0.3451**, and the grayscale version is **18.9125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6996, 0.2293, 0.2871**, and **14.2366, 0.2030, 0.2508** is the 20% darker color. If you saturate the color by 10%, you get **31.6358, 0.2077, 0.2678**, and if you desaturate by 10%, it is **33.1916, 0.2112, 0.2745**.

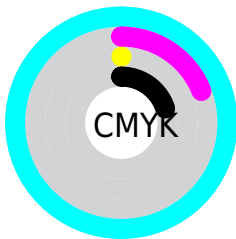
Distribution



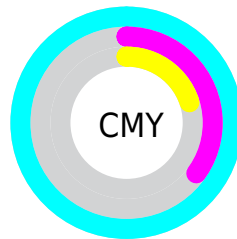
- Red (0%)
- Green (65%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6321, 0.2077, 0.2678 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 31.6321, 0.2077, 0.2678 by changing the saturation by 10% instead.


 31.6321, 0.2077,
0.2678


 31.6321, 0.2077,
0.2678


309.4399, 0.2608,
0.3013

 21.0806, 0.1946,
0.2587


 62.2339, 0.2270,
0.2806

 13.1830, 0.1779,
0.2466


 83.0530, 0.2342,
0.2852


 7.5547, 0.1563,
0.2299


 108.0635, 0.2404,
0.2890

 3.8113, 0.1277,
0.2060

 137.6497, 0.2457,
0.2923

 1.5686, 0.0895,
0.1698

 172.1961, 0.2502,
0.2950

 0.3363, 0.0000,
0.0928

212.0870, 0.2542,

 0.0000, 0.0000,

0.2974

0.0000

257.7068, 0.2577,
0.2995

■ 31.6321, 0.2077,
0.2678

■ 31.6321, 0.2077,
0.2678

■ 31.6358, 0.2077,
0.2678

■ 33.1916, 0.2112,
0.2745

■ 34.9499, 0.2162,
0.2812

■ 36.9667, 0.2231,
0.2880

■ 39.2718, 0.2320,
0.2947

■ 41.8904, 0.2426,
0.3012

■ 44.8450, 0.2547,
0.3075

■ 48.1553, 0.2681,
0.3135

■ 51.8398, 0.2825,
0.3191

■ 55.9155, 0.2974,
0.3243

Harmonies

Analogous

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



31.6321, 0.2191, 0.3161



31.6321, 0.2077, 0.2678



31.6321, 0.2205, 0.2417

Triad

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



31.6321, 0.2077, 0.2678



31.6321, 0.3696, 0.2861



31.6321, 0.3640, 0.4358

Complementary

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



31.6321, 0.2077, 0.2678



14.2278, 0.6210, 0.3451

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.



31.6321, 0.4098, 0.4141



31.6321, 0.2077, 0.2678



31.6321, 0.4155, 0.3284

Square

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



31.6321, 0.2077, 0.2678



31.6321, 0.3097, 0.2541



31.6321, 0.4300, 0.3739



31.6321, 0.3069, 0.4235

Rectangle

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



31.6321, 0.2077, 0.2678



31.6321, 0.2418, 0.2368



31.6321, 0.4300, 0.3739



31.6321, 0.3813, 0.4317

Sweetspot

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



31.6358, 0.2077, 0.2678



79.5044, 0.2676, 0.3133



43.3327, 0.2954, 0.5835



16.5025, 0.2617, 0.3108



0.0000, 0.0000, 0.0000



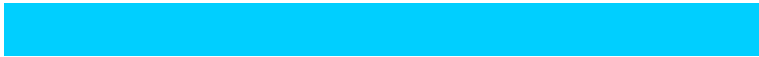
21.4041, 0.3127, 0.3290

Same Dimension

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



31.6358, 0.2077, 0.2678



52.0815, 0.2075, 0.2670



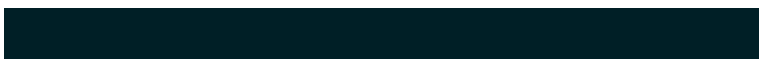
8.0964, 0.1619, 0.1026



12.3578, 0.2983, 0.3246



20.0345, 0.2080, 0.2688



1.1280, 0.2116, 0.2818

Inverse Universe

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



15.5941, 0.3749, 0.1839



25.7888, 0.3757, 0.1843



31.4264, 0.4893, 0.4497



11.3665, 0.3166, 0.3103



9.8255, 0.3740, 0.1834



0.5164, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 31.6321, 0.2077, 0.2678 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 31.6321, 0.2077, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

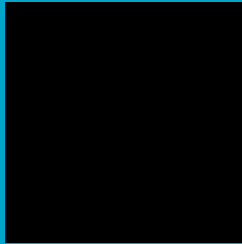
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6321, 0.2077, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 31.6321, 0.2077, 0.2678.

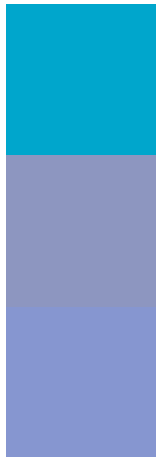


This preview shows how white text looks on a background with the Yxy color 31.6321, 0.2077, 0.2678.

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

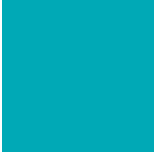
31.6321, 0.2077, 0.2678

Protanopia

31.2812, 0.2686, 0.2675

Deuteranopia

31.4351, 0.2517, 0.2463



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



Original Color

31.6321, 0.2077, 0.2678



Protanomaly

29.9361, 0.2314, 0.2658



Deuteranomaly

30.2132, 0.2231, 0.2506



Tritanomaly

31.7230, 0.2145, 0.2920

Monochromacy



Original Color

31.6321, 0.2077, 0.2678



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.7035, 0.2449, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6321, 0.2077, 0.2678 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 204) }
```

Border

The CSS property to change the border of an element to Yxy 31.6321, 0.2077, 0.2678 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, 204) }
```

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

```
.border{ border-color:rgb(0, 166, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6321, 0.2077, 0.2678 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, 204) }
```

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

```
.background{ background-color: rgb(0, 166,  
204) }
```

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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