

Converting Colors

$Y_{xy}(31.6121, 0.2089, 0.2719)$

Have a look what the booklet for
Yxy(31.6121, 0.2089, 0.2719)
contains.

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Color

Yxy(31.4895, 0.2089, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	00A6C9
RGB	0, 166, 201
RGB Percent	0%, 65%, 79%
CMY	1.0000, 0.3490, 0.2118
CMYK	1.00, 0.17, 0.00, 0.21
HSL	190°, 100%, 39%
HSV	190°, 100%, 79%
XYZ	24.1755, 31.4895, 60.0627
YIQ	120.3560, -110.1710, -24.3070

Conversions

Conversions Part 2

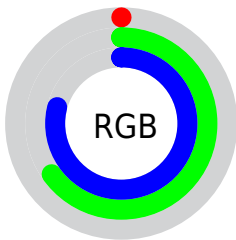
Format	Color
RYB	0, 91, 201
Decimal	42697
CIELab	62.92, -23.37, -27.96
CIELCh	63, 36.439, 230.110
Yxy	31.4895, 0.2089, 0.2721
Android (android.graphics.Color)	4278232777 (0xFF00A6C9)
YUV	120.3560, 39.7575, -105.5522
Hunter-Lab	56.1155, -21.3013, -24.1796

Details

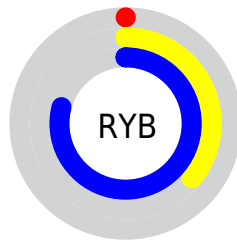
The Yxy color **31.4895, 0.2089, 0.2721** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.6194, 0.6229, 0.3436**, and the grayscale version is **18.8007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6996, 0.2293, 0.2871**, and **14.1412, 0.2046, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **31.4927, 0.2089, 0.2721**, and if you desaturate by 10%, it is **32.9322, 0.2122, 0.2783**.

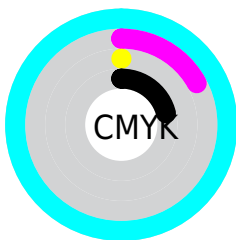
Distribution



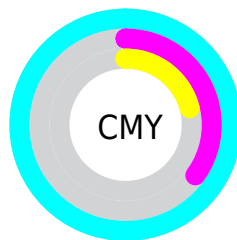
- Red (0%)
- Green (65%)
- Blue (79%)



- Red (0%)
- Yellow (36%)
- Blue (79%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (21%)




- Cyan (100%)
- Magenta (35%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4895, 0.2089, 0.2721 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 31.4895, 0.2089, 0.2721 by changing the saturation by 10% instead.


 31.4895, 0.2089,
0.2721


 31.4895, 0.2089,
0.2721


308.7871, 0.2615,
0.3035

 20.9719, 0.1958,
0.2635


 62.0099, 0.2280,
0.2841


 13.1034, 0.1792,
0.2519

 82.7815, 0.2352,
0.2885

 7.4998, 0.1576,
0.2359


 107.7399, 0.2413,
0.2921

 3.7766, 0.1289,
0.2127

 137.2694, 0.2465,
0.2951

 1.5494, 0.0901,
0.1770

 171.7545, 0.2510,
0.2976

 0.3231, 0.0000,
0.0965

211.5796, 0.2550,

 0.0000, 0.0000,

0.2998

0.0000

257.1290, 0.2585,
0.3018

■ 31.4895, 0.2089,
0.2721

■ 31.4895, 0.2089,
0.2721

■ 31.4927, 0.2089,
0.2721

■ 32.9322, 0.2122,
0.2783

■ 34.5622, 0.2171,
0.2845

■ 36.4368, 0.2239,
0.2908

■ 38.5850, 0.2325,
0.2970

■ 41.0308, 0.2430,
0.3031

■ 43.7958, 0.2550,
0.3090

■ 46.8992, 0.2683,
0.3145

■ 50.3585, 0.2825,
0.3198

■ 54.1900, 0.2974,
0.3246

Harmonies

Analogous

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



31.4895, 0.2224, 0.3216



31.4895, 0.2089, 0.2721



31.4895, 0.2194, 0.2441

Triad

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



31.4895, 0.2089, 0.2721



31.4895, 0.3638, 0.2833



31.4895, 0.3683, 0.4337

Complementary

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



31.4895, 0.2089, 0.2721



13.6194, 0.6229, 0.3436

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.



31.4895, 0.4117, 0.4101



31.4895, 0.2089, 0.2721



31.4895, 0.4111, 0.3245

Square

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



31.4895, 0.2089, 0.2721



31.4895, 0.3045, 0.2528



31.4895, 0.4287, 0.3695



31.4895, 0.3122, 0.4249

Rectangle

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



31.4895, 0.2089, 0.2721



31.4895, 0.2392, 0.2380



31.4895, 0.4287, 0.3695



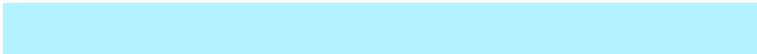
31.4895, 0.3849, 0.4287

Sweetspot

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



31.4927, 0.2089, 0.2721



80.0593, 0.2677, 0.3143



41.8867, 0.2961, 0.5858



16.6365, 0.2619, 0.3120



0.0000, 0.0000, 0.0000



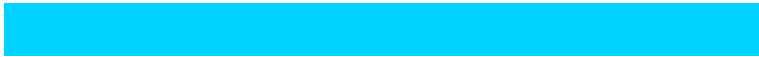
21.4041, 0.3127, 0.3290

Same Dimension

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



31.4927, 0.2089, 0.2721



53.6130, 0.2087, 0.2713



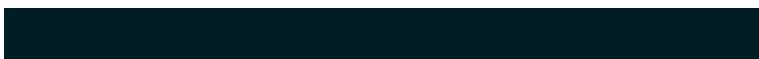
8.2315, 0.1631, 0.1069



11.7412, 0.2984, 0.3249



19.9203, 0.2092, 0.2730



1.0282, 0.2128, 0.2859

Inverse Universe

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



15.1712, 0.3708, 0.1816



25.9434, 0.3716, 0.1821



29.4683, 0.4938, 0.4461



10.7837, 0.3164, 0.3101



9.5510, 0.3700, 0.1812



0.4608, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 31.4895, 0.2089, 0.2721 looks on a white background.

Color Contrast Check

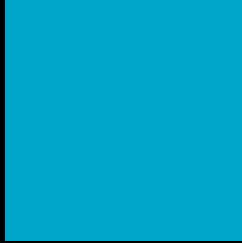
Large Text (above 18pt) WCAG AA × Fail

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 31.4895, 0.2089, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

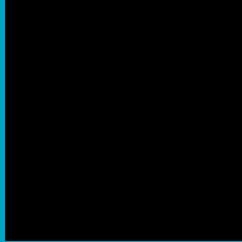
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4895, 0.2089, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 31.4895, 0.2089, 0.2721.



This preview shows how white text looks on a background with the Yxy color 31.4895, 0.2089, 0.2721.

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

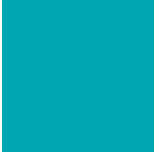
31.4895, 0.2089, 0.2721

Protanopia

31.2376, 0.2717, 0.2716

Deuteranopia

31.1369, 0.2551, 0.2488



Tritanopia

31.3827, 0.2180, 0.3048

Trichromacy



Original Color

31.4895, 0.2089, 0.2721



Protanomaly

29.8008, 0.2331, 0.2700



Deuteranomaly

29.8286, 0.2253, 0.2531



Tritanomaly

31.3116, 0.2144, 0.2918

Monochromacy



Original Color

31.4895, 0.2089, 0.2721



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 31.4895, 0.2089, 0.2721 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 201) }
```

Border

The CSS property to change the border of an element to Yxy 31.4895, 0.2089, 0.2721 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, 201) }
```

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

```
.border{ border-color:rgb(0, 166, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4895, 0.2089, 0.2721 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, 201) }
```

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

```
.background{ background-color: rgb(0, 166,  
201) }
```

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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