

Converting Colors

$Yxy(26.5023, 0.2016, 0.3052)$

Have a look what the booklet for
Yxy(26.5023, 0.2016, 0.3052)
contains.

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Color

Yxy(27.7365, 0.2186, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	009FAB
RGB	0, 159, 171
RGB Percent	0%, 62%, 67%
CMY	1.0000, 0.3764, 0.3294
CMYK	1.00, 0.07, 0.00, 0.33
HSL	184°, 100%, 34%
HSV	184°, 100%, 67%
XYZ	19.7434, 27.7365, 42.8376
YIQ	112.8270, -98.6160, -29.9760

Conversions

Conversions Part 2

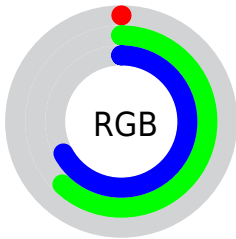
Format	Color
RYB	0, 82, 171
Decimal	40875
CIELab	59.65, -29.96, -16.12
CIELCh	60, 34.020, 208.281
Yxy	27.7365, 0.2186, 0.3071
Android (android.graphics.Color)	4278230955 (0xFF009FAB)
YUV	112.8270, 28.6793, -98.9493
Hunter-Lab	52.6655, -25.2479, -11.3601

Details

The Yxy color **27.7365, 0.2186, 0.3071** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9197, 0.6345, 0.3344**, and the grayscale version is **16.3970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9638, 0.2370, 0.3129**, and **11.8473, 0.2162, 0.2983** is the 20% darker color. If you saturate the color by 10%, you get **27.7407, 0.2186, 0.3071**, and if you desaturate by 10%, it is **28.2749, 0.2209, 0.3094**.

Distribution



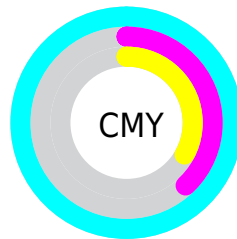
- Red (0%)
- Green (62%)
- Blue (67%)



- Red (0%)
- Yellow (32%)
- Blue (67%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7365, 0.2186, 0.3071 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 27.7365, 0.2186, 0.3071 by changing the saturation by 10% instead.


 27.7365, 0.2186,
0.3071


 27.7365, 0.2186,
0.3071


 291.2057, 0.2679,
0.3206

 18.1271, 0.2057,
0.3028


 56.0635, 0.2370,
0.3127

 11.0413, 0.1889,
0.2966


 75.5499, 0.2438,
0.3145


 6.0946, 0.1662,
0.2871

 99.0974, 0.2494,
0.3161

 2.9027, 0.1345,
0.2713

 127.0904, 0.2542,
0.3173

 1.0811, 0.0652,
0.2482

 159.9134, 0.2584,
0.3183

 0.0000, 0.0000,
0.0000

 197.9506, 0.2620,

0.3192

241.5866, 0.2651,
0.3199

■ 27.7365, 0.2186,
0.3071

■ 27.7365, 0.2186,
0.3071

■ 27.7407, 0.2186,
0.3071

■ 28.2749, 0.2209,
0.3094

■ 28.9164, 0.2246,
0.3117

■ 29.7067, 0.2301,
0.3141

■ 30.6646, 0.2374,
0.3165

■ 31.8061, 0.2465,
0.3188

■ 33.1455, 0.2574,
0.3211

■ 34.6954, 0.2697,
0.3232

■ 36.4676, 0.2832,
0.3253

■ 38.4726, 0.2976,
0.3272

Harmonies

Analogous

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



27.7365, 0.2487, 0.3641



27.7365, 0.2186, 0.3071



27.7365, 0.2118, 0.2639

Triad

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



27.7365, 0.2186, 0.3071



27.7365, 0.3205, 0.2613



27.7365, 0.3999, 0.4168

Complementary

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



27.7365, 0.2186, 0.3071



8.9197, 0.6345, 0.3344

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.



27.7365, 0.4244, 0.3804



27.7365, 0.2186, 0.3071



27.7365, 0.3771, 0.2946

Square

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



27.7365, 0.2186, 0.3071



27.7365, 0.2664, 0.2425



27.7365, 0.4166, 0.3367



27.7365, 0.3528, 0.4321

Rectangle

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



27.7365, 0.2186, 0.3071



27.7365, 0.2203, 0.2472



27.7365, 0.4166, 0.3367



27.7365, 0.4112, 0.4062

Sweetspot

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



27.7407, 0.2186, 0.3071



61.9856, 0.2690, 0.3231



29.1486, 0.2987, 0.5954



13.5610, 0.2638, 0.3222



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.7407, 0.2186, 0.3071



49.5557, 0.2185, 0.3067



7.8506, 0.1715, 0.1373



8.9746, 0.2986, 0.3274



20.9459, 0.2187, 0.3073



0.6106, 0.2207, 0.3144

Inverse Universe

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



11.1609, 0.3392, 0.1642



19.9770, 0.3396, 0.1644



17.1875, 0.5206, 0.4249



8.1382, 0.3148, 0.3082



8.4176, 0.3390, 0.1641



0.2370, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 27.7365, 0.2186, 0.3071 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7365, 0.2186, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

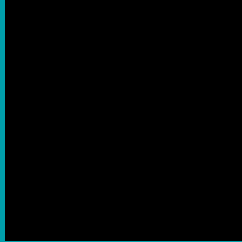
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

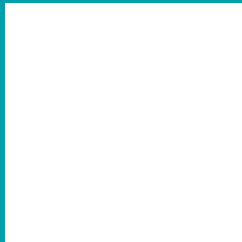
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.7365, 0.2186, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 27.7365, 0.2186, 0.3071.

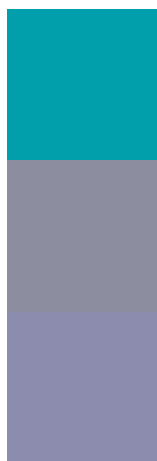


This preview shows how white text looks on a background with the Yxy color 27.7365, 0.2186, 0.3071.

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

27.7365, 0.2186, 0.3071

Protanopia

27.4595, 0.2935, 0.3003

Deuteranopia

27.4268, 0.2800, 0.2750



Tritanopia

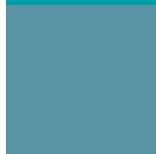
27.8329, 0.2190, 0.3054

Trichromacy



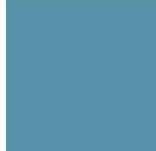
Original Color

27.7365, 0.2186, 0.3071



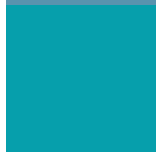
Protanomaly

25.9840, 0.2478, 0.3007



Deuteranomaly

26.0473, 0.2409, 0.2827



Tritanomaly

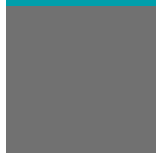
27.8135, 0.2187, 0.3054

Monochromacy



Original Color

27.7365, 0.2186, 0.3071



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.0642, 0.2515, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7365, 0.2186, 0.3071 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, 159, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 171)  
}
```

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, 159, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 171) }
```

Border

The CSS property to change the border of an element to Yxy 27.7365, 0.2186, 0.3071 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, 159, 171) }
```

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

```
.border{ border-color:rgb(0, 159, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7365, 0.2186, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 171) }
```

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

```
.background{ background-color: rgb(0, 159,  
171) }
```

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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