

Converting Colors

$Yxy(26.9186, 0.2175, 0.3029)$

Have a look what the booklet for
Yxy(26.9186, 0.2175, 0.3029)
contains.

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Color

Yxy(27.0542, 0.2176, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	009DAB
RGB	0, 157, 171
RGB Percent	0%, 62%, 67%
CMY	0.9995, 0.3843, 0.3293
CMYK	1.00, 0.08, 0.00, 0.33
HSL	185°, 100%, 34%
HSV	185°, 100%, 67%
XYZ	19.4098, 27.0542, 42.7355
YIQ	111.6530, -98.0660, -28.9300

Conversions

Conversions Part 2

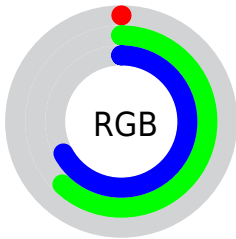
Format	Color
R _{YB}	0, 82, 171
Decimal	40363
CIE _{Lab}	59.02, -28.94, -17.08
CIE _{LCh}	59, 33.605, 210.549
Y _{xy}	27.0542, 0.2176, 0.3033
Android (android.graphics.Color)	4278230443 (0xFF009DAB)
YUV	111.6530, 29.2581, -97.9197
Hunter-Lab	52.0137, -24.4135, -12.3043

Details

The Yxy color **27.0542, 0.2176, 0.3033** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9782, 0.6333, 0.3353**, and the grayscale version is **16.0425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9576, 0.2364, 0.3102**, and **11.4351, 0.2147, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **27.0509, 0.2176, 0.3033**, and if you desaturate by 10%, it is **27.6531, 0.2200, 0.3060**.

Distribution



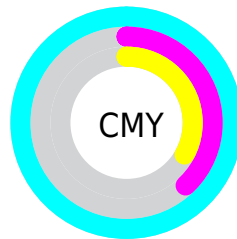
- Red (0%)
- Green (62%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0542, 0.2176, 0.3033 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 27.0542, 0.2176, 0.3033 by changing the saturation by 10% instead.

27.0542, 0.2176,
0.3033

27.0542, 0.2176,
0.3033

287.9195, 0.2676,
0.3189

17.6139, 0.2045,
0.2984

54.9708, 0.2363,
0.3097

10.6732, 0.1874,
0.2913

74.2160, 0.2431,
0.3119

5.8475, 0.1643,
0.2807

97.4982, 0.2489,
0.3136

2.7526, 0.1321,
0.2631

125.2019, 0.2537,
0.3150

1.0040, 0.0576,
0.2379

157.7115, 0.2579,
0.3162

0.0000, 0.0000,
0.0000

195.4114, 0.2616,

0.3173

238.6859, 0.2648,
0.3181

■ 27.0542, 0.2176,
0.3033

■ 27.0542, 0.2176,
0.3033

■ 27.0509, 0.2176,
0.3033

■ 27.6531, 0.2200,
0.3060

■ 28.3605, 0.2238,
0.3088

■ 29.2183, 0.2295,
0.3116

■ 30.2453, 0.2370,
0.3143

■ 31.4577, 0.2463,
0.3171

■ 32.8696, 0.2572,
0.3197

■ 34.4937, 0.2697,
0.3223

■ 36.3416, 0.2832,
0.3247

■ 38.4241, 0.2977,
0.3269

Harmonies

Analogous

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



27.0542, 0.2459, 0.3596



27.0542, 0.2176, 0.3033



27.0542, 0.2126, 0.2618

Triad

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



27.0542, 0.2176, 0.3033



27.0542, 0.3249, 0.2636



27.0542, 0.3966, 0.4185

Complementary

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



27.0542, 0.2176, 0.3033



8.9782, 0.6333, 0.3353

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.



27.0542, 0.4232, 0.3834



27.0542, 0.2176, 0.3033



27.0542, 0.3806, 0.2977

Square

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



27.0542, 0.2176, 0.3033



27.0542, 0.2702, 0.2436



27.0542, 0.4179, 0.3400



27.0542, 0.3486, 0.4316

Rectangle

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



27.0542, 0.2176, 0.3033



27.0542, 0.2222, 0.2462



27.0542, 0.4179, 0.3400



27.0542, 0.4085, 0.4085

Sweetspot

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



27.0552, 0.2176, 0.3033



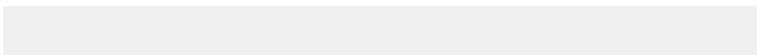
61.5755, 0.2689, 0.3221



29.1588, 0.2987, 0.5953



13.4577, 0.2637, 0.3211



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.



27.0552, 0.2176, 0.3033



48.2855, 0.2175, 0.3028



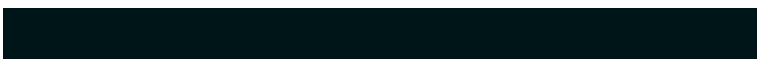
7.8632, 0.1715, 0.1374



8.9580, 0.2986, 0.3271



20.4244, 0.2177, 0.3036



0.6005, 0.2200, 0.3118

Inverse Universe

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



11.0969, 0.3425, 0.1661



19.8488, 0.3429, 0.1663



17.2030, 0.5204, 0.4249



8.1366, 0.3150, 0.3084



8.3649, 0.3423, 0.1659



0.2360, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 27.0542, 0.2176, 0.3033 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 27.0542, 0.2176, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

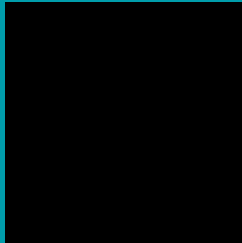
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0542, 0.2176, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 27.0542, 0.2176, 0.3033.

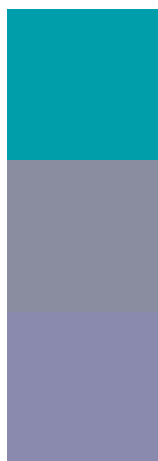


This preview shows how white text looks on a background with the Yxy color 27.0542, 0.2176, 0.3033.

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

27.0542, 0.2176, 0.3033

Protanopia

26.6975, 0.2914, 0.2969

Deuteranopia

26.6754, 0.2779, 0.2715



Tritanopia

27.0162, 0.2181, 0.3051

Trichromacy



Original Color

27.0542, 0.2176, 0.3033



Protanomaly

25.3128, 0.2465, 0.2970



Deuteranomaly

25.3815, 0.2395, 0.2790



Tritanomaly

27.0162, 0.2181, 0.3051

Monochromacy



Original Color

27.0542, 0.2176, 0.3033



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.4714, 0.2508, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0542, 0.2176, 0.3033 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, 157, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 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, 157, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 171) }
```

Border

The CSS property to change the border of an element to Yxy 27.0542, 0.2176, 0.3033 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, 157, 171) }
```

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

```
.border{ border-color:rgb(0, 157, 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, 157, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0542, 0.2176, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 171) }
```

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

```
.background{ background-color: rgb(0, 157,  
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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