

Converting Colors

$Yxy(27.2757, 0.2140, 0.2903)$

Have a look what the booklet for
Yxy(27.2757, 0.2140, 0.2903)
contains.

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Color

$\text{Yxy}(27.3283, 0.2143, 0.2915)$

Conversions

Conversions Part 1

Format	Color
Hex	009DB2
RGB	0, 157, 178
RGB Percent	0%, 62%, 70%
CMY	1.0000, 0.3843, 0.3020
CMYK	1.00, 0.12, 0.00, 0.30
HSL	187°, 100%, 35%
HSV	187°, 100%, 70%
XYZ	20.0908, 27.3283, 46.3315
YIQ	112.4510, -100.3130, -26.7530

Conversions

Conversions Part 2

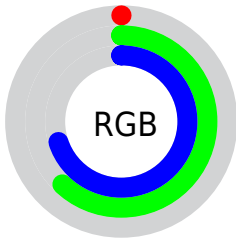
Format	Color
R_{YB}	0, 83, 178
Decimal	40370
CIE _{Lab}	59.28, -26.63, -20.64
CIE _{LCh}	59, 33.690, 217.786
Yxy	27.3283, 0.2143, 0.2915
Android (android.graphics.Color)	4278230450 (0xFF009DB2)
YUV	112.4510, 32.3157, -98.6195
Hunter-Lab	52.2765, -22.8832, -15.9540

Details

The Yxy color **27.3283, 0.2143, 0.2915** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0001, 0.6298, 0.3381**, and the grayscale version is **16.2687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4604, 0.2332, 0.3000**, and **11.5838, 0.2109, 0.2790** is the 20% darker color. If you saturate the color by 10%, you get **27.3301, 0.2143, 0.2915**, and if you desaturate by 10%, it is **28.1731, 0.2171, 0.2955**.

Distribution



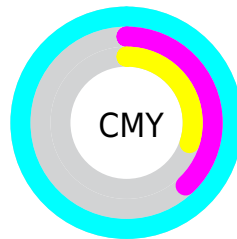
- Red (0%)
- Green (62%)
- Blue (70%)



- Red (0%)
- Yellow (33%)
- Blue (70%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3283, 0.2143, 0.2915 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 27.3283, 0.2143, 0.2915 by changing the saturation by 10% instead.

 27.3283, 0.2143,
0.2915


 27.3283, 0.2143,
0.2915


 289.2432, 0.2657,
0.3134


 17.8199, 0.2010,
0.2849


 55.4102, 0.2334,
0.3003

 10.8208, 0.1837,
0.2757


 74.7526, 0.2405,
0.3033


 5.9465, 0.1605,
0.2622

 98.1418, 0.2464,
0.3058

 2.8126, 0.1286,
0.2410

 125.9621, 0.2514,
0.3078

 1.0347, 0.0657,
0.2083

 158.5980, 0.2557,
0.3096

 0.0000, 0.0000,
0.0000

 196.4339, 0.2595,

0.3110

239.8542, 0.2628,
0.3123

■ 27.3283, 0.2143,
0.2915

■ 27.3283, 0.2143,
0.2915

■ 27.3301, 0.2143,
0.2915

■ 28.1731, 0.2171,
0.2955

■ 29.1429, 0.2213,
0.2996

■ 30.2837, 0.2274,
0.3037

■ 31.6164, 0.2353,
0.3077

■ 33.1587, 0.2451,
0.3117

■ 34.9264, 0.2564,
0.3156

■ 36.9336, 0.2691,
0.3193

■ 39.1932, 0.2829,
0.3228

■ 41.7171, 0.2976,
0.3260

Harmonies

Analogous

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



27.3283, 0.2371, 0.3455



27.3283, 0.2143, 0.2915



27.3283, 0.2150, 0.2551

Triad

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



27.3283, 0.2143, 0.2915



27.3283, 0.3389, 0.2707



27.3283, 0.3864, 0.4242

Complementary

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



27.3283, 0.2143, 0.2915



10.0001, 0.6298, 0.3381

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.



27.3283, 0.4193, 0.3930



27.3283, 0.2143, 0.2915



27.3283, 0.3920, 0.3074

Square

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



27.3283, 0.2143, 0.2915



27.3283, 0.2824, 0.2469



27.3283, 0.4223, 0.3507



27.3283, 0.3353, 0.4297

Rectangle

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



27.3283, 0.2143, 0.2915



27.3283, 0.2283, 0.2431



27.3283, 0.4223, 0.3507



27.3283, 0.4001, 0.4159

Sweetspot

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



27.3301, 0.2143, 0.2915



66.7823, 0.2684, 0.3191



31.8915, 0.2975, 0.5911



14.4495, 0.2630, 0.3176



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



27.3301, 0.2143, 0.2915



49.3429, 0.2141, 0.2908



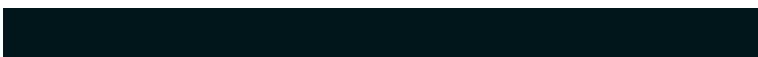
7.3763, 0.1672, 0.1219



9.4571, 0.2986, 0.3262



19.6166, 0.2144, 0.2920



0.6652, 0.2176, 0.3032

Inverse Universe

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



11.8987, 0.3530, 0.1718



21.5569, 0.3536, 0.1721



20.5649, 0.5067, 0.4359



8.6291, 0.3155, 0.3092



8.5204, 0.3526, 0.1716



0.2729, 0.3426, 0.1661

Previews

White Background



This preview shows how the Yxy color 27.3283, 0.2143, 0.2915 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 27.3283, 0.2143, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

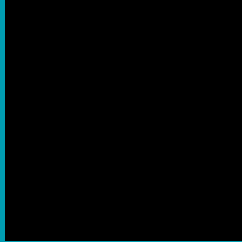
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

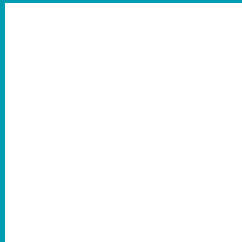
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.3283, 0.2143, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 27.3283, 0.2143, 0.2915.

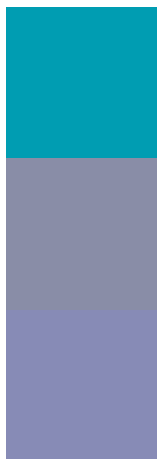


This preview shows how white text looks on a background with the Yxy color 27.3283, 0.2143, 0.2915.

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

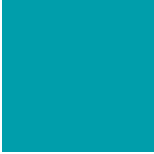
27.3283, 0.2143, 0.2915

Protanopia

27.1581, 0.2842, 0.2878

Deuteranopia

26.9935, 0.2695, 0.2629



Tritanopia

27.3940, 0.2181, 0.3052

Trichromacy



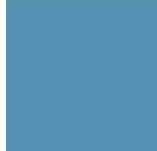
Original Color

27.3283, 0.2143, 0.2915



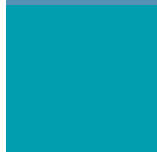
Protanomaly

25.8339, 0.2415, 0.2873



Deuteranomaly

25.8724, 0.2343, 0.2699



Tritanomaly

27.5097, 0.2167, 0.3000

Monochromacy



Original Color

27.3283, 0.2143, 0.2915



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.5555, 0.2485, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3283, 0.2143, 0.2915 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, 178)` looks like.

```
.text, #text, p{  
  color:rgb(0, 157, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 178) }
```

Border

The CSS property to change the border of an element to Yxy 27.3283, 0.2143, 0.2915 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, 178) }
```

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

```
.border{ border-color:rgb(0, 157, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3283, 0.2143, 0.2915 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, 178) }
```

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

```
.background{ background-color: rgb(0, 157,  
178) }
```

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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