

Converting Colors

$Yxy(20.8482, 0.0998, 0.2733)$

Have a look what the booklet for
Yxy(20.8482, 0.0998, 0.2733)
contains.

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Color

Yxy(27.4913, 0.2125, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	009DB6
RGB	0, 157, 182
RGB Percent	0%, 62%, 71%
CMY	1.0000, 0.3843, 0.2863
CMYK	1.00, 0.14, 0.00, 0.29
HSL	188°, 100%, 36%
HSV	188°, 100%, 71%
XYZ	20.4979, 27.4913, 48.4715
YIQ	112.9070, -101.5970, -25.5090

Conversions

Conversions Part 2

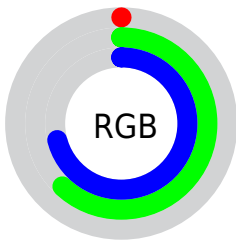
Format	Color
RYB	0, 84, 182
Decimal	40374
CIELab	59.43, -25.27, -22.67
CIELCh	59, 33.947, 221.890
Yxy	27.4913, 0.2125, 0.2850
Android (android.graphics.Color)	4278230454 (0xFF009DB6)
YUV	112.9070, 34.0628, -99.0194
Hunter-Lab	52.4321, -21.9732, -18.1088

Details

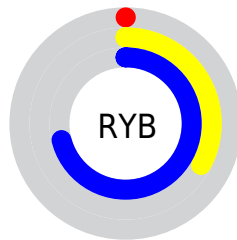
The Yxy color **27.4913, 0.2125, 0.2850** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.6371, 0.6275, 0.3400**, and the grayscale version is **16.4048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7468, 0.2319, 0.2951**, and **11.6881, 0.2084, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **27.4927, 0.2125, 0.2850**, and if you desaturate by 10%, it is **28.4771, 0.2155, 0.2897**.

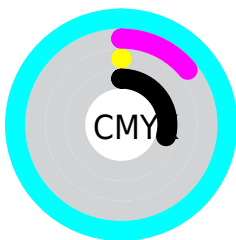
Distribution



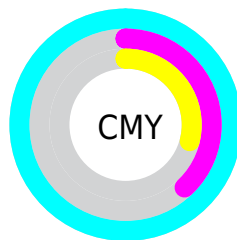
- Red (0%)
- Green (62%)
- Blue (71%)



- Red (0%)
- Yellow (33%)
- Blue (71%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (29%)




- Cyan (100%)
- Magenta (38%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4913, 0.2125, 0.2850 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 27.4913, 0.2125, 0.2850 by changing the saturation by 10% instead.


 27.4913, 0.2125,
0.2850


 27.4913, 0.2125,
0.2850


 290.0281, 0.2647,
0.3103


 17.9425, 0.1990,
0.2775


 55.6712, 0.2318,
0.2950


 10.9087, 0.1816,
0.2673


 75.0712, 0.2390,
0.2985


 6.0055, 0.1585,
0.2524

 98.5237, 0.2450,
0.3014

 2.8484, 0.1267,
0.2294

 126.4132, 0.2501,
0.3038

 1.0531, 0.0690,
0.1939

 159.1239, 0.2545,
0.3058

 0.0000, 0.0000,
0.0000

 197.0404, 0.2584,

0.3075

240.5470, 0.2617,
0.3090

■ 27.4913, 0.2125,
0.2850

■ 27.4913, 0.2125,
0.2850

■ 27.4927, 0.2125,
0.2850

■ 28.4771, 0.2155,
0.2897

■ 29.6000, 0.2199,
0.2945

■ 30.9073, 0.2263,
0.2994

■ 32.4212, 0.2344,
0.3041

■ 34.1604, 0.2444,
0.3088

■ 36.1417, 0.2560,
0.3134

■ 38.3799, 0.2689,
0.3177

■ 40.8887, 0.2828,
0.3218

■ 43.6808, 0.2975,
0.3255

Harmonies

Analogous

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



27.4913, 0.2322, 0.3376



27.4913, 0.2125, 0.2850



27.4913, 0.2164, 0.2514

Triad

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



27.4913, 0.2125, 0.2850



27.4913, 0.3470, 0.2748



27.4913, 0.3805, 0.4274

Complementary

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



27.4913, 0.2125, 0.2850



10.6371, 0.6275, 0.3400

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.



27.4913, 0.4169, 0.3986



27.4913, 0.2125, 0.2850



27.4913, 0.3983, 0.3130

Square

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



27.4913, 0.2125, 0.2850



27.4913, 0.2895, 0.2489



27.4913, 0.4245, 0.3568



27.4913, 0.3278, 0.4283

Rectangle

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



27.4913, 0.2125, 0.2850



27.4913, 0.2318, 0.2414



27.4913, 0.4245, 0.3568



27.4913, 0.3952, 0.4201

Sweetspot

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



27.4927, 0.2125, 0.2850



69.3803, 0.2682, 0.3175



33.5154, 0.2971, 0.5894



14.9364, 0.2627, 0.3157



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



27.4927, 0.2125, 0.2850



49.5963, 0.2123, 0.2842



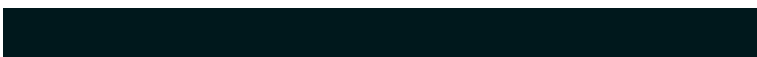
7.3585, 0.1658, 0.1170



9.9948, 0.2985, 0.3258



19.4912, 0.2127, 0.2856



0.7456, 0.2161, 0.2978

Inverse Universe

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



12.3774, 0.3589, 0.1751



22.4190, 0.3596, 0.1755



22.2626, 0.5023, 0.4394



9.1410, 0.3158, 0.3095



8.7500, 0.3584, 0.1748



0.3144, 0.3474, 0.1687

Previews

White Background



This preview shows how the Yxy color 27.4913, 0.2125, 0.2850 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 27.4913, 0.2125, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

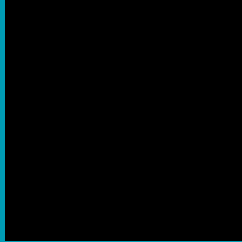
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4913, 0.2125, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 27.4913, 0.2125, 0.2850.

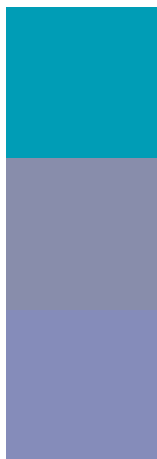


This preview shows how white text looks on a background with the Yxy color 27.4913, 0.2125, 0.2850.

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

27.4913, 0.2125, 0.2850

Protanopia

27.2243, 0.2798, 0.2818

Deuteranopia

27.2879, 0.2647, 0.2588



Tritanopia

27.3940, 0.2181, 0.3052

Trichromacy



Original Color

27.4913, 0.2125, 0.2850



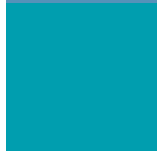
Protanomaly

25.9888, 0.2389, 0.2810



Deuteranomaly

25.9918, 0.2313, 0.2639



Tritanomaly

27.5489, 0.2162, 0.2984

Monochromacy



Original Color

27.4913, 0.2125, 0.2850



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.9132, 0.2480, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4913, 0.2125, 0.2850 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 182) }
```

Border

The CSS property to change the border of an element to Yxy 27.4913, 0.2125, 0.2850 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, 182) }
```

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

```
.border{ border-color:rgb(0, 157, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4913, 0.2125, 0.2850 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, 182) }
```

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

```
.background{ background-color: rgb(0, 157,  
182) }
```

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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