

Converting Colors

$Yxy(27.4803, 0.2129, 0.2863)$

Have a look what the booklet for
Yxy(27.4803, 0.2129, 0.2863)
contains.

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Color

Yxy(27.4501, 0.2129, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	009DB5
RGB	0, 157, 181
RGB Percent	0%, 62%, 71%
CMY	1.0000, 0.3843, 0.2902
CMYK	1.00, 0.13, 0.00, 0.29
HSL	188°, 100%, 35%
HSV	188°, 100%, 71%
XYZ	20.3912, 27.4501, 47.9371
YIQ	112.7930, -101.2760, -25.8200

Conversions

Conversions Part 2

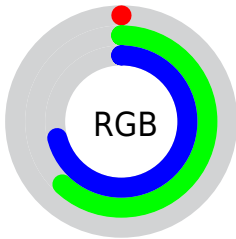
Format	Color
RYB	0, 84, 181
Decimal	40373
CIELab	59.39, -25.63, -22.17
CIELCh	59, 33.886, 220.858
Yxy	27.4501, 0.2129, 0.2866
Android (android.graphics.Color)	4278230453 (0xFF009DB5)
YUV	112.7930, 33.6261, -98.9195
Hunter-Lab	52.3928, -22.2155, -17.5727

Details

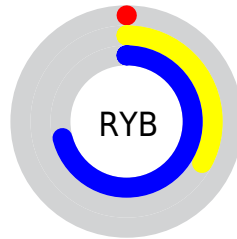
The Yxy color **27.4501, 0.2129, 0.2866** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.4758, 0.6281, 0.3395**, and the grayscale version is **16.3726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6882, 0.2323, 0.2964**, and **11.6617, 0.2090, 0.2724** is the 20% darker color. If you saturate the color by 10%, you get **27.4549, 0.2130, 0.2866**, and if you desaturate by 10%, it is **28.4040, 0.2159, 0.2912**.

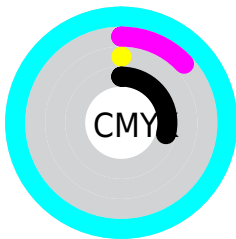
Distribution



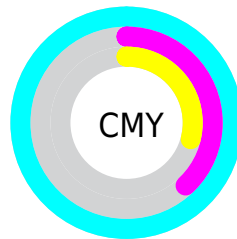
- Red (0%)
- Green (62%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)




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


Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4501, 0.2129, 0.2866 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 27.4501, 0.2129, 0.2866 by changing the saturation by 10% instead.


 27.4501, 0.2129,
0.2866

 27.4501, 0.2129,
0.2866


 289.8299, 0.2649,
0.3111


 17.9115, 0.1995,
0.2794


 55.6053, 0.2322,
0.2963


 10.8865, 0.1821,
0.2693


 74.9907, 0.2393,
0.2997


 5.9906, 0.1589,
0.2548

 98.4272, 0.2453,
0.3025

 2.8393, 0.1271,
0.2322

 126.2992, 0.2504,
0.3048

 1.0484, 0.0682,
0.1973

 158.9911, 0.2548,
0.3067

 0.0000, 0.0000,
0.0000

 196.8872, 0.2586,

0.3084

240.3720, 0.2620,
0.3098

■ 27.4501, 0.2129,
0.2866

■ 27.4501, 0.2129,
0.2866

■ 27.4549, 0.2130,
0.2866

■ 28.4040, 0.2159,
0.2912

■ 29.4888, 0.2203,
0.2958

■ 30.7544, 0.2265,
0.3004

■ 32.2228, 0.2347,
0.3050

■ 33.9127, 0.2446,
0.3096

■ 35.8403, 0.2561,
0.3139

■ 38.0204, 0.2689,
0.3181

■ 40.4664, 0.2829,
0.3220

■ 43.1909, 0.2976,
0.3257

Harmonies

Analogous

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



27.4501, 0.2334, 0.3396



27.4501, 0.2129, 0.2866



27.4501, 0.2160, 0.2523

Triad

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



27.4501, 0.2129, 0.2866



27.4501, 0.3450, 0.2738



27.4501, 0.3821, 0.4266

Complementary

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



27.4501, 0.2129, 0.2866



10.4758, 0.6281, 0.3395

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.



27.4501, 0.4176, 0.3972



27.4501, 0.2129, 0.2866



27.4501, 0.3968, 0.3116

Square

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



27.4501, 0.2129, 0.2866



27.4501, 0.2877, 0.2483



27.4501, 0.4240, 0.3553



27.4501, 0.3297, 0.4288

Rectangle

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



27.4501, 0.2129, 0.2866



27.4501, 0.2309, 0.2418



27.4501, 0.4240, 0.3553



27.4501, 0.3965, 0.4191

Sweetspot

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



27.4549, 0.2130, 0.2866



67.8901, 0.2683, 0.3179



33.1007, 0.2976, 0.5912



14.3135, 0.2628, 0.3162



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.



27.4549, 0.2130, 0.2866



48.9311, 0.2127, 0.2859



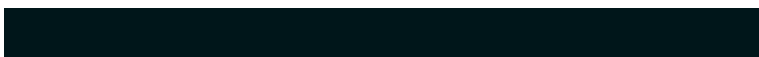
7.6394, 0.1672, 0.1217



9.4357, 0.2986, 0.3259



19.0005, 0.2131, 0.2872



0.6508, 0.2167, 0.2999

Inverse Universe

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



12.2581, 0.3574, 0.1743



21.9306, 0.3581, 0.1746



21.3267, 0.5069, 0.4357



8.6270, 0.3157, 0.3095



8.4582, 0.3569, 0.1740



0.2715, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 27.4501, 0.2129, 0.2866 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 27.4501, 0.2129, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

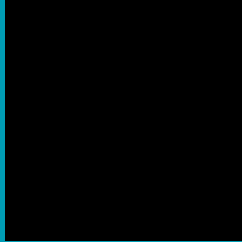
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4501, 0.2129, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 27.4501, 0.2129, 0.2866.

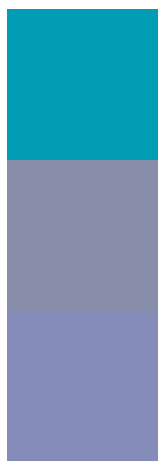


This preview shows how white text looks on a background with the Yxy color 27.4501, 0.2129, 0.2866.

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

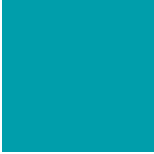
27.4501, 0.2129, 0.2866

Protanopia

27.1863, 0.2806, 0.2833

Deuteranopia

27.2455, 0.2655, 0.2601



Tritanopia

27.3940, 0.2181, 0.3052

Trichromacy



Original Color

27.4501, 0.2129, 0.2866



Protanomaly

25.9497, 0.2396, 0.2825



Deuteranomaly

25.9498, 0.2319, 0.2654



Tritanomaly

27.5489, 0.2162, 0.2984

Monochromacy



Original Color

27.4501, 0.2129, 0.2866



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 27.4501, 0.2129, 0.2866 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 181) }
```

Border

The CSS property to change the border of an element to Yxy 27.4501, 0.2129, 0.2866 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, 181) }
```

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

```
.border{ border-color:rgb(0, 157, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4501, 0.2129, 0.2866 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, 181) }
```

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

```
.background{ background-color: rgb(0, 157,  
181) }
```

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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