

Converting Colors

$Yxy(26.8256, 0.2101, 0.2936)$

Have a look what the booklet for
Yxy(26.8256, 0.2101, 0.2936)
contains.

Yxy(27.2485, 0.2152, 0.2948)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.2485, 0.2152, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	009DB0
RGB	0, 157, 176
RGB Percent	0%, 62%, 69%
CMY	1.0000, 0.3843, 0.3098
CMYK	1.00, 0.11, 0.00, 0.31
HSL	186°, 100%, 35%
HSV	186°, 100%, 69%
XYZ	19.8910, 27.2485, 45.2909
YIQ	112.2230, -99.6710, -27.3750

Conversions

Conversions Part 2

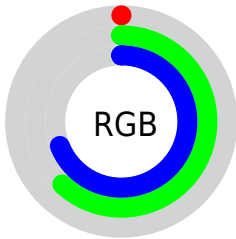
Format	Color
R_{YB}	0, 83, 176
Decimal	40368
CIE _{Lab}	59.20, -27.30, -19.63
CIE _{LCh}	59, 33.627, 215.724
Yxy	27.2485, 0.2152, 0.2948
Android (android.graphics.Color)	4278230448 (0xFF009DB0)
YUV	112.2230, 31.4421, -98.4196
Hunter-Lab	52.2001, -23.3321, -14.9023

Details

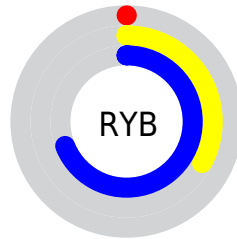
The Yxy color **27.2485, 0.2152, 0.2948** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6973, 0.6309, 0.3373**, and the grayscale version is **16.2016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3461, 0.2341, 0.3025**, and **11.5332, 0.2121, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **27.2515, 0.2152, 0.2948**, and if you desaturate by 10%, it is **28.0244, 0.2179, 0.2985**.

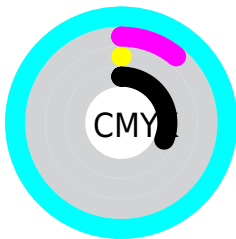
Distribution



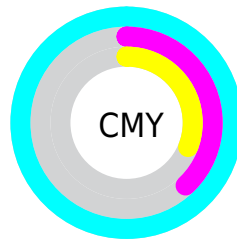
- Red (0%)
- Green (62%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (38%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2485, 0.2152, 0.2948 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 27.2485, 0.2152, 0.2948 by changing the saturation by 10% instead.

 27.2485, 0.2152,
0.2948


 27.2485, 0.2152,
0.2948


 288.8583, 0.2662,
0.3149


 17.7599, 0.2019,
0.2887


 55.2824, 0.2342,
0.3029


 10.7778, 0.1847,
0.2801


 74.5965, 0.2412,
0.3057


 5.9176, 0.1615,
0.2673

 97.9546, 0.2471,
0.3080

 2.7950, 0.1295,
0.2470

 125.7410, 0.2520,
0.3099

 1.0257, 0.0636,
0.2161

 158.3402, 0.2563,
0.3114

 0.0000, 0.0000,
0.0000

 196.1366, 0.2601,

0.3128

239.5145, 0.2633,
0.3139

■ 27.2485, 0.2152,
0.2948

■ 27.2485, 0.2152,
0.2948

■ 27.2515, 0.2152,
0.2948

■ 28.0244, 0.2179,
0.2985

■ 28.9187, 0.2220,
0.3021

■ 29.9777, 0.2280,
0.3059

■ 31.2217, 0.2358,
0.3096

■ 32.6681, 0.2454,
0.3132

■ 34.3321, 0.2566,
0.3168

■ 36.2273, 0.2692,
0.3201

■ 38.3664, 0.2830,
0.3233

■ 40.7609, 0.2976,
0.3263

Harmonies

Analogous

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



27.2485, 0.2396, 0.3495



27.2485, 0.2152, 0.2948



27.2485, 0.2143, 0.2569

Triad

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



27.2485, 0.2152, 0.2948



27.2485, 0.3349, 0.2687



27.2485, 0.3894, 0.4227

Complementary

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



27.2485, 0.2152, 0.2948



9.6973, 0.6309, 0.3373

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.



27.2485, 0.4205, 0.3903



27.2485, 0.2152, 0.2948



27.2485, 0.3888, 0.3046

Square

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



27.2485, 0.2152, 0.2948



27.2485, 0.2789, 0.2460



27.2485, 0.4211, 0.3476



27.2485, 0.3391, 0.4303

Rectangle

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



27.2485, 0.2152, 0.2948



27.2485, 0.2265, 0.2439



27.2485, 0.4211, 0.3476



27.2485, 0.4025, 0.4138

Sweetspot

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



27.2515, 0.2152, 0.2948



65.5036, 0.2686, 0.3200



31.0976, 0.2980, 0.5927



13.8803, 0.2632, 0.3186



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.2515, 0.2152, 0.2948



49.2142, 0.2151, 0.2942



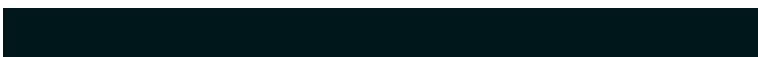
7.5662, 0.1686, 0.1269



9.4717, 0.2986, 0.3265



20.0439, 0.2153, 0.2952



0.6751, 0.2182, 0.3054

Inverse Universe

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



11.6660, 0.3500, 0.1702



21.1347, 0.3506, 0.1705



19.4587, 0.5113, 0.4322



8.6306, 0.3153, 0.3089



8.5636, 0.3497, 0.1700



0.2739, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 27.2485, 0.2152, 0.2948 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 27.2485, 0.2152, 0.2948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

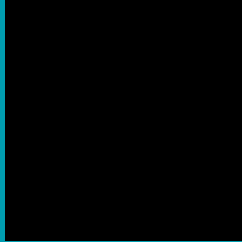
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2485, 0.2152, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 27.2485, 0.2152, 0.2948.

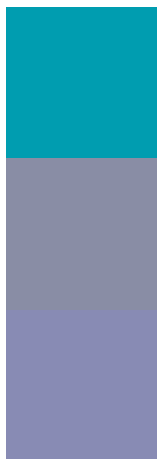


This preview shows how white text looks on a background with the Yxy color 27.2485, 0.2152, 0.2948.

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

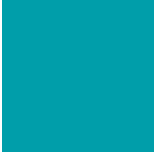
27.2485, 0.2152, 0.2948

Protanopia

27.0847, 0.2859, 0.2908

Deuteranopia

26.9948, 0.2720, 0.2658



Tritanopia

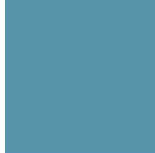
27.3560, 0.2186, 0.3069

Trichromacy



Original Color

27.2485, 0.2152, 0.2948



Protanomaly

25.7582, 0.2428, 0.2905



Deuteranomaly

25.8387, 0.2361, 0.2730



Tritanomaly

27.4323, 0.2176, 0.3035

Monochromacy



Original Color

27.2485, 0.2152, 0.2948



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.5272, 0.2492, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2485, 0.2152, 0.2948 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 176) }
```

Border

The CSS property to change the border of an element to Yxy 27.2485, 0.2152, 0.2948 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, 176) }
```

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

```
.border{ border-color:rgb(0, 157, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2485, 0.2152, 0.2948 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, 176) }
```

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

```
.background{ background-color: rgb(0, 157,  
176) }
```

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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