

Converting Colors

$Y_{xy}(27.8070, 0.2161, 0.2979)$

Have a look what the booklet for
Yxy(27.8070, 0.2161, 0.2979)
contains.

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Color

Yxy(27.9309, 0.2163, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	019FB0
RGB	1, 159, 176
RGB Percent	0%, 62%, 69%
CMY	0.9980, 0.3765, 0.3098
CMYK	1.00, 0.10, 0.00, 0.31
HSL	186°, 99%, 35%
HSV	186°, 100%, 69%
XYZ	20.2394, 27.9309, 45.4006
YIQ	113.6960, -99.6250, -28.2090

Conversions

Conversions Part 2

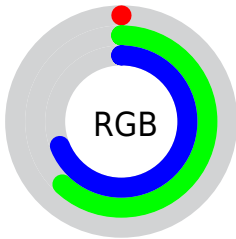
Format	Color
RYB	1, 84, 176
Decimal	106416
CIELab	59.83, -28.26, -18.68
CIElCh	60, 33.877, 213.466
Yxy	27.9309, 0.2163, 0.2985
Android (android.graphics.Color)	4278296496 (0xFF019FB0)
YUV	113.6960, 30.7159, -98.8344
Hunter-Lab	52.8497, -24.1284, -13.9383

Details

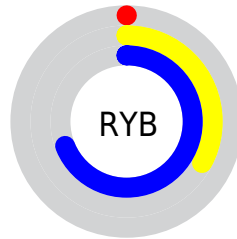
The Yxy color **27.9309, 0.2163, 0.2985** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6492, 0.6315, 0.3363**, and the grayscale version is **16.6134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3522, 0.2347, 0.3052**, and **11.9455, 0.2136, 0.2888** is the 20% darker color. If you saturate the color by 10%, you get **27.9114, 0.2162, 0.2984**, and if you desaturate by 10%, it is **28.6491, 0.2189, 0.3018**.

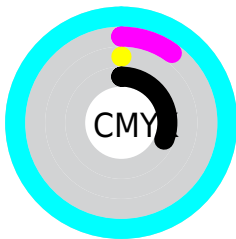
Distribution



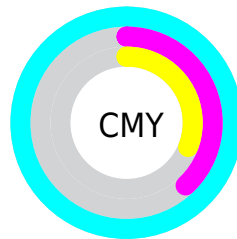
- Red (0%)
- Green (62%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)




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


Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9309, 0.2163, 0.2985 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 27.9309, 0.2163, 0.2985 by changing the saturation by 10% instead.

 27.9309, 0.2163,
0.2985


 27.9309, 0.2163,
0.2985


 292.1366, 0.2666,
0.3166


 18.2736, 0.2032,
0.2929


 56.3741, 0.2350,
0.3058

 11.1466, 0.1863,
0.2851


 75.9288, 0.2419,
0.3083

 6.1655, 0.1636,
0.2735

 99.5513, 0.2477,
0.3104

 2.9460, 0.1321,
0.2548

 127.6262, 0.2526,
0.3121

 1.1036, 0.0704,
0.2259

 160.5378, 0.2568,
0.3135

 0.0000, 0.0000,
0.0000

 198.6704, 0.2605,

0.3147

242.4086, 0.2638,
0.3157

■ 27.9309, 0.2163,
0.2985

■ 27.9309, 0.2163,
0.2985

■ 27.9114, 0.2162,
0.2984

■ 28.6491, 0.2189,
0.3018

■ 29.4884, 0.2229,
0.3050

■ 30.4910, 0.2287,
0.3084

■ 31.6773, 0.2365,
0.3117

■ 33.0645, 0.2460,
0.3149

■ 34.6676, 0.2572,
0.3181

■ 36.5005, 0.2697,
0.3211

■ 38.5755, 0.2835,
0.3240

■ 40.9042, 0.2980,
0.3266

Harmonies

Analogous

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



27.9309, 0.2424, 0.3539



27.9309, 0.2163, 0.2985



27.9309, 0.2136, 0.2591

Triad

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



27.9309, 0.2163, 0.2985



27.9309, 0.3305, 0.2665



27.9309, 0.3925, 0.4208

Complementary

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



27.9309, 0.2163, 0.2985



9.6492, 0.6315, 0.3363

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.



27.9309, 0.4216, 0.3873



27.9309, 0.2163, 0.2985



27.9309, 0.3852, 0.3016

Square

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



27.9309, 0.2163, 0.2985



27.9309, 0.2751, 0.2450



27.9309, 0.4197, 0.3443



27.9309, 0.3432, 0.4308

Rectangle

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



27.9309, 0.2163, 0.2985



27.9309, 0.2247, 0.2450



27.9309, 0.4197, 0.3443



27.9309, 0.4051, 0.4115

Sweetspot

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



27.9319, 0.2163, 0.2985



65.9082, 0.2687, 0.3209



31.0906, 0.2984, 0.5940



13.9792, 0.2634, 0.3197



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.



27.9319, 0.2163, 0.2985



50.4333, 0.2161, 0.2979



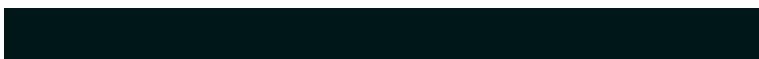
7.9871, 0.1702, 0.1324



9.4879, 0.2986, 0.3267



20.5253, 0.2163, 0.2988



0.6863, 0.2189, 0.3079

Inverse Universe

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



11.7448, 0.3467, 0.1685



21.2578, 0.3473, 0.1687



18.9091, 0.5156, 0.4286



8.6322, 0.3152, 0.3087



8.6122, 0.3465, 0.1683



0.2751, 0.3385, 0.1639

Previews

White Background



This preview shows how the Yxy color 27.9309, 0.2163, 0.2985 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 27.9309, 0.2163, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

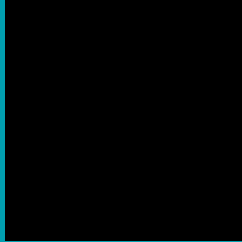
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9309, 0.2163, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 27.9309, 0.2163, 0.2985.

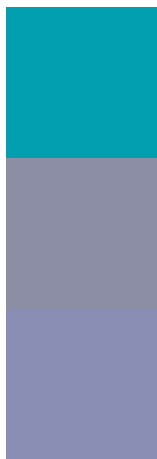


This preview shows how white text looks on a background with the Yxy color 27.9309, 0.2163, 0.2985.

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

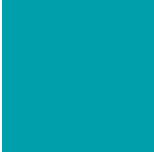
27.9373, 0.2164, 0.2985

Protanopia

27.5516, 0.2880, 0.2926

Deuteranopia

27.7483, 0.2741, 0.2693



Tritanopia

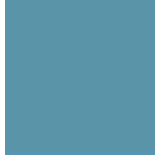
27.7748, 0.2182, 0.3053

Trichromacy



Original Color

27.9373, 0.2164, 0.2985



Protanomaly

26.1682, 0.2444, 0.2925



Deuteranomaly

26.5092, 0.2374, 0.2766



Tritanomaly

27.8134, 0.2177, 0.3036

Monochromacy



Original Color

27.9373, 0.2164, 0.2985



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.1879, 0.2499, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9309, 0.2163, 0.2985 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(1, 159, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 159, 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(1, 159, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 159, 176) }
```

Border

The CSS property to change the border of an element to Yxy 27.9309, 0.2163, 0.2985 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(1, 159, 176) }
```

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

```
.border{ border-color:rgb(1, 159, 176) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(1, 159, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 159, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 159, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 159,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9309, 0.2163, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 159, 176) }
```

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

```
.background{ background-color: rgb(1, 159,  
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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