

Converting Colors

$Yxy(27.2446, 0.2128, 0.3092)$

Have a look what the booklet for
Yxy(27.2446, 0.2128, 0.3092)
contains.

Yxy(27.6986, 0.2191, 0.3088)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6986, 0.2191, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	009FAA
RGB	0, 159, 170
RGB Percent	0%, 62%, 67%
CMY	1.0000, 0.3765, 0.3333
CMYK	1.00, 0.06, 0.00, 0.33
HSL	184°, 100%, 33%
HSV	184°, 100%, 67%
XYZ	19.6527, 27.6986, 42.3462
YIQ	112.7130, -98.2950, -30.2870

Conversions

Conversions Part 2

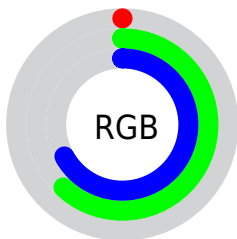
Format	Color
RYB	0, 82, 170
Decimal	40874
CIELab	59.62, -30.26, -15.62
CIELCh	60, 34.056, 207.292
Yxy	27.6986, 0.2191, 0.3088
Android (android.graphics.Color)	4278230954 (0xFF009FAA)
YUV	112.7130, 28.2425, -98.8493
Hunter-Lab	52.6295, -25.4466, -10.8647

Details

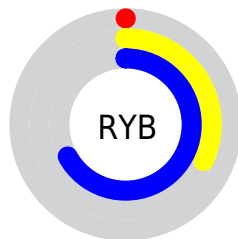
The Yxy color **27.6986, 0.2191, 0.3088** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7869, 0.6349, 0.3341**, and the grayscale version is **16.3621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9091, 0.2374, 0.3142**, and **11.8234, 0.2169, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **27.7008, 0.2191, 0.3088**, and if you desaturate by 10%, it is **28.2002, 0.2214, 0.3109**.

Distribution



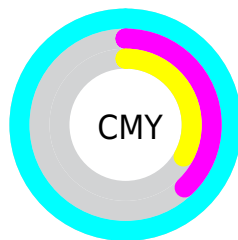
- Red (0%)
- Green (62%)
- Blue (67%)



- Red (0%)
- Yellow (32%)
- Blue (67%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6986, 0.2191, 0.3088 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 27.6986, 0.2191, 0.3088 by changing the saturation by 10% instead.


 27.6986, 0.2191,
0.3088


 27.6986, 0.2191,
0.3088


 291.0239, 0.2682,
0.3213


 18.0986, 0.2062,
0.3047


 56.0029, 0.2374,
0.3140

 11.0208, 0.1895,
0.2989


 75.4759, 0.2442,
0.3158


 6.0808, 0.1668,
0.2898

 99.0088, 0.2498,
0.3172

 2.8943, 0.1351,
0.2747

 126.9858, 0.2546,
0.3183

 1.0768, 0.0641,
0.2529

 159.7915, 0.2587,
0.3193

 0.0000, 0.0000,
0.0000

 197.8101, 0.2623,

0.3201

241.4261, 0.2654,
0.3207

■ 27.6986, 0.2191,
0.3088

■ 27.6986, 0.2191,
0.3088

■ 27.7008, 0.2191,
0.3088

■ 28.2002, 0.2214,
0.3109

■ 28.8048, 0.2250,
0.3131

■ 29.5557, 0.2304,
0.3152

■ 30.4713, 0.2376,
0.3174

■ 31.5676, 0.2467,
0.3196

■ 32.8585, 0.2575,
0.3217

■ 34.3565, 0.2697,
0.3237

■ 36.0732, 0.2832,
0.3256

■ 38.0190, 0.2976,
0.3274

Harmonies

Analogous

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



27.6986, 0.2500, 0.3661



27.6986, 0.2191, 0.3088



27.6986, 0.2115, 0.2649

Triad

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



27.6986, 0.2191, 0.3088



27.6986, 0.3186, 0.2603



27.6986, 0.4012, 0.4159

Complementary

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



27.6986, 0.2191, 0.3088



8.7869, 0.6349, 0.3341

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.



27.6986, 0.4249, 0.3791



27.6986, 0.2191, 0.3088



27.6986, 0.3754, 0.2933

Square

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



27.6986, 0.2191, 0.3088



27.6986, 0.2648, 0.2421



27.6986, 0.4159, 0.3352



27.6986, 0.3546, 0.4323

Rectangle

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



27.6986, 0.2191, 0.3088



27.6986, 0.2195, 0.2477



27.6986, 0.4159, 0.3352



27.6986, 0.4123, 0.4052

Sweetspot

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



27.7008, 0.2191, 0.3088



62.1688, 0.2690, 0.3236



28.7726, 0.2990, 0.5965



13.6072, 0.2639, 0.3227



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.7008, 0.2191, 0.3088



50.1279, 0.2190, 0.3084



8.1415, 0.1729, 0.1426



8.4476, 0.2987, 0.3275



20.4052, 0.2192, 0.3090



0.5204, 0.2211, 0.3161

Inverse Universe

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



11.0508, 0.3377, 0.1634



20.0348, 0.3381, 0.1636



16.4653, 0.5253, 0.4211



7.6581, 0.3147, 0.3082



8.1310, 0.3375, 0.1633



0.2002, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 27.6986, 0.2191, 0.3088 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 27.6986, 0.2191, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

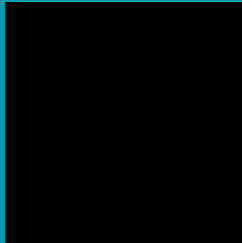
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6986, 0.2191, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 27.6986, 0.2191, 0.3088.

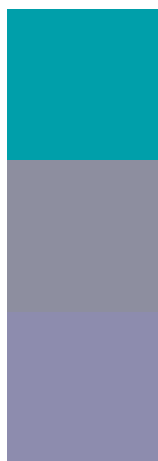


This preview shows how white text looks on a background with the Yxy color 27.6986, 0.2191, 0.3088.

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

27.6986, 0.2191, 0.3088

Protanopia

27.5119, 0.2954, 0.3019

Deuteranopia

27.4749, 0.2819, 0.2765



Tritanopia

27.8530, 0.2193, 0.3054

Trichromacy



Original Color

27.6986, 0.2191, 0.3088



Protanomaly

25.9978, 0.2492, 0.3025



Deuteranomaly

26.0582, 0.2422, 0.2843



Tritanomaly

27.7882, 0.2194, 0.3071

Monochromacy



Original Color

27.6986, 0.2191, 0.3088



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.0642, 0.2515, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6986, 0.2191, 0.3088 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, 159, 170)` looks like.

```
.text, #text, p{  
  color:rgb(0, 159, 170)  
}
```

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, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 170) }
```

Border

The CSS property to change the border of an element to Yxy 27.6986, 0.2191, 0.3088 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, 159, 170) }
```

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

```
.border{ border-color:rgb(0, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6986, 0.2191, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 170) }
```

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

```
.background{ background-color: rgb(0, 159,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor