

Converting Colors

$Yxy(25.3109, 0.1935, 0.3009)$

Have a look what the booklet for
Yxy(25.3109, 0.1935, 0.3009)
contains.

Yxy(26.7172, 0.2171, 0.3015)	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(26.7172, 0.2171, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	009CAB
RGB	0, 156, 171
RGB Percent	0%, 61%, 67%
CMY	0.9995, 0.3882, 0.3295
CMYK	1.00, 0.09, 0.00, 0.33
HSL	185°, 100%, 34%
HSV	185°, 100%, 67%
XYZ	19.2382, 26.7172, 42.6589
YIQ	111.0660, -97.7910, -28.4070

Conversions

Conversions Part 2

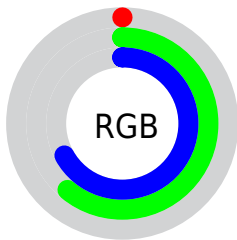
Format	Color
RYB	0, 82, 171
Decimal	40107
CIELab	58.71, -28.46, -17.53
CIELCh	59, 33.429, 211.632
Yxy	26.7172, 0.2171, 0.3015
Android (android.graphics.Color)	4278230187 (0xFF009CAB)
YUV	111.0660, 29.5475, -97.4049
Hunter-Lab	51.6887, -24.0188, -12.7502

Details

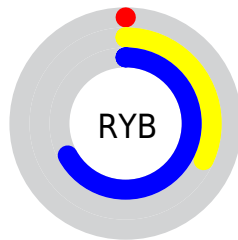
The Yxy color **26.7172, 0.2171, 0.3015** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.0000, 0.6327, 0.3357**, and the grayscale version is **15.8615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4592, 0.2361, 0.3088**, and **11.2325, 0.2140, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **26.7137, 0.2171, 0.3015**, and if you desaturate by 10%, it is **27.3446, 0.2196, 0.3044**.

Distribution



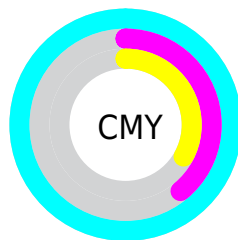
- Red (0%)
- Green (61%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)




- Cyan (100%)
- Magenta (39%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7172, 0.2171, 0.3015 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 26.7172, 0.2171, 0.3015 by changing the saturation by 10% instead.

 26.7172, 0.2171,
0.3015


 26.7172, 0.2171,
0.3015


 286.2852, 0.2674,
0.3181


 17.3609, 0.2039,
0.2963


 54.4297, 0.2359,
0.3083


 10.4922, 0.1867,
0.2889


 73.5548, 0.2428,
0.3106

 5.7265, 0.1634,
0.2776

 96.7049, 0.2486,
0.3125

 2.6795, 0.1308,
0.2592

 124.2645, 0.2535,
0.3140

 0.9668, 0.0535,
0.2330

 156.6179, 0.2577,
0.3153

 0.0000, 0.0000,
0.0000

 194.1496, 0.2614,

0.3163

237.2439, 0.2646,
0.3173

■ 26.7172, 0.2171,
0.3015

■ 26.7172, 0.2171,
0.3015

■ 26.7137, 0.2171,
0.3015

■ 27.3446, 0.2196,
0.3044

■ 28.0812, 0.2235,
0.3074

■ 28.9689, 0.2292,
0.3104

■ 30.0265, 0.2368,
0.3133

■ 31.2701, 0.2461,
0.3163

■ 32.7138, 0.2572,
0.3191

■ 34.3705, 0.2696,
0.3218

■ 36.2516, 0.2832,
0.3244

■ 38.3680, 0.2977,
0.3268

Harmonies

Analogous

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



26.7172, 0.2446, 0.3575



26.7172, 0.2171, 0.3015



26.7172, 0.2130, 0.2608

Triad

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



26.7172, 0.2171, 0.3015



26.7172, 0.3269, 0.2646



26.7172, 0.3951, 0.4194

Complementary

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



26.7172, 0.2171, 0.3015



9.0000, 0.6327, 0.3357

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.



26.7172, 0.4226, 0.3848



26.7172, 0.2171, 0.3015



26.7172, 0.3823, 0.2991

Square

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



26.7172, 0.2171, 0.3015



26.7172, 0.2720, 0.2441



26.7172, 0.4186, 0.3416



26.7172, 0.3466, 0.4313

Rectangle

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



26.7172, 0.2171, 0.3015



26.7172, 0.2231, 0.2457



26.7172, 0.4186, 0.3416



26.7172, 0.4073, 0.4096

Sweetspot

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



26.7182, 0.2171, 0.3015



61.3842, 0.2688, 0.3217



29.1505, 0.2984, 0.5940



13.4095, 0.2636, 0.3206



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.



26.7182, 0.2171, 0.3015



47.6982, 0.2169, 0.3010



7.4865, 0.1701, 0.1324



8.9502, 0.2986, 0.3269



20.1832, 0.2172, 0.3018



0.5957, 0.2196, 0.3107

Inverse Universe

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



11.0584, 0.3441, 0.1670



19.7895, 0.3446, 0.1672



17.7293, 0.5157, 0.4287



8.1358, 0.3150, 0.3086



8.3406, 0.3439, 0.1668



0.2355, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 26.7172, 0.2171, 0.3015 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 26.7172, 0.2171, 0.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

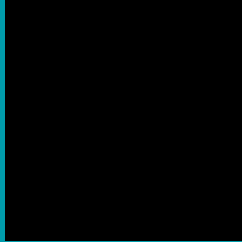
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7172, 0.2171, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 26.7172, 0.2171, 0.3015.



This preview shows how white text looks on a background with the Yxy color 26.7172, 0.2171, 0.3015.

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

26.7172, 0.2171, 0.3015

Protanopia

26.3217, 0.2903, 0.2951

Deuteranopia

26.5063, 0.2760, 0.2712



Tritanopia

26.6415, 0.2180, 0.3049

Trichromacy



Original Color

26.7172, 0.2171, 0.3015



Protanomaly

24.9574, 0.2455, 0.2951



Deuteranomaly

25.3330, 0.2389, 0.2789



Tritanomaly

26.6792, 0.2176, 0.3032

Monochromacy



Original Color

26.7172, 0.2171, 0.3015



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.2118, 0.2505, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7172, 0.2171, 0.3015 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, 156, 171)` looks like.

```
.text, #text, p{  
  color:rgb(0, 156, 171)  
}
```

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, 156, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 171) }
```

Border

The CSS property to change the border of an element to Yxy 26.7172, 0.2171, 0.3015 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, 156, 171) }
```

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

```
.border{ border-color:rgb(0, 156, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7172, 0.2171, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 171) }
```

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

```
.background{ background-color: rgb(0, 156,  
171) }
```

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