

Converting Colors

$Yxy(26.8562, 0.2153, 0.3295)$

Have a look what the booklet for
Yxy(26.8562, 0.2153, 0.3295)
contains.

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Color

Yxy(27.6448, 0.2252, 0.3306)

Conversions

Conversions Part 1

Format	Color
Hex	00A09F
RGB	0, 160, 159
RGB Percent	0%, 63%, 62%
CMY	0.9988, 0.3726, 0.3765
CMYK	1.00, 0.00, 0.01, 0.37
HSL	180°, 100%, 31%
HSV	180°, 100%, 63%
XYZ	18.8312, 27.6448, 37.1440
YIQ	112.0460, -95.0390, -34.2310

Conversions

Conversions Part 2

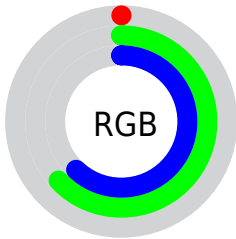
Format	Color
RYB	0, 80, 160
Decimal	41119
CIELab	59.57, -34.23, -9.46
CIELCh	60, 35.515, 195.447
Yxy	27.6448, 0.2252, 0.3306
Android (android.graphics.Color)	4278231199 (0xFF00A09F)
YUV	112.0460, 23.1483, -98.2643
Hunter-Lab	52.5783, -28.0812, -5.0807

Details

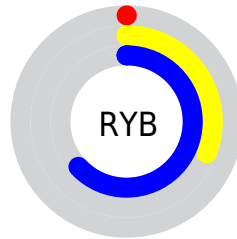
The Yxy color **27.6448, 0.2252, 0.3306** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.4825, 0.6389, 0.3295**, and the grayscale version is **16.1957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7831, 0.2424, 0.3302**, and **11.8078, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **27.6439, 0.2252, 0.3306**, and if you desaturate by 10%, it is **27.7602, 0.2268, 0.3304**.

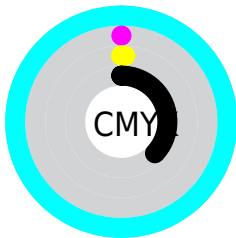
Distribution



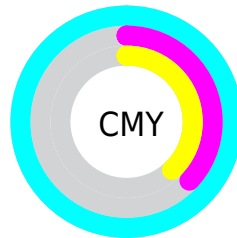
- Red (0%)
- Green (63%)
- Blue (62%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6448, 0.2252, 0.3306 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 27.6448, 0.2252, 0.3306 by changing the saturation by 10% instead.


 27.6448, 0.2252,
0.3306


 27.6448, 0.2252,
0.3306


290.7657, 0.2715,
0.3310


 18.0581, 0.2129,
0.3299


 55.9168, 0.2426,
0.3311

 10.9917, 0.1967,
0.3287


 75.3710, 0.2490,
0.3312


 6.0613, 0.1745,
0.3261

 98.8830, 0.2543,
0.3312

 2.8824, 0.1428,
0.3205

 126.8373, 0.2588,
0.3312

 1.0706, 0.0513,
0.3215

 159.6184, 0.2626,
0.3312

 0.0000, 0.0000,
0.0000

 197.6105, 0.2660,

0.3311

241.1982, 0.2689,
0.3311

■ 27.6448, 0.2252,
0.3306

■ 27.6448, 0.2252,
0.3306

■ 27.6439, 0.2252,
0.3306

■ 27.7602, 0.2268,
0.3304

■ 27.9627, 0.2297,
0.3302

■ 28.2899, 0.2343,
0.3300

■ 28.7577, 0.2408,
0.3299

■ 29.3795, 0.2492,
0.3297

■ 30.1675, 0.2593,
0.3295

■ 31.1322, 0.2709,
0.3294

■ 32.2836, 0.2840,
0.3292

■ 33.6308, 0.2981,
0.3291

Harmonies

Analogous

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



27.6448, 0.2657, 0.3906



27.6448, 0.2252, 0.3306



27.6448, 0.2078, 0.2775

Triad

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



27.6448, 0.2252, 0.3306



27.6448, 0.2952, 0.2481



27.6448, 0.4181, 0.4057

Complementary

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



27.6448, 0.2252, 0.3306



7.4825, 0.6389, 0.3295

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.



27.6448, 0.4303, 0.3629



27.6448, 0.2252, 0.3306



27.6448, 0.3555, 0.2768

Square

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



27.6448, 0.2252, 0.3306



27.6448, 0.2450, 0.2365



27.6448, 0.4071, 0.3173



27.6448, 0.3772, 0.4336

Rectangle

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



27.6448, 0.2252, 0.3306



27.6448, 0.2097, 0.2536



27.6448, 0.4071, 0.3173



27.6448, 0.4259, 0.3923

Sweetspot

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



27.6458, 0.2252, 0.3306



56.3840, 0.2700, 0.3294



25.1604, 0.3004, 0.5995



12.2078, 0.2653, 0.3294



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.6458, 0.2252, 0.3306



50.1940, 0.2252, 0.3306



8.6969, 0.1794, 0.1655



7.5088, 0.2989, 0.3291



21.5352, 0.2252, 0.3306



0.3853, 0.2250, 0.3298

Inverse Universe

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



7.4825, 0.6389, 0.3295



13.5728, 0.6395, 0.3297



12.8497, 0.5435, 0.4064



6.6468, 0.3283, 0.3289



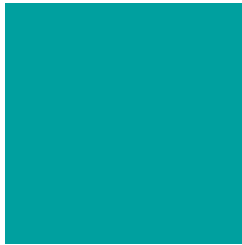
5.8238, 0.6392, 0.3295



0.1043, 0.6347, 0.3270

Previews

White Background



This preview shows how the Yxy color 27.6448, 0.2252, 0.3306 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 27.6448, 0.2252, 0.3306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

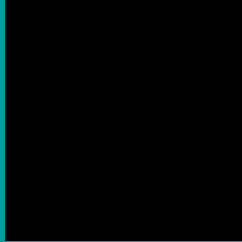
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6448, 0.2252, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 27.6448, 0.2252, 0.3306.

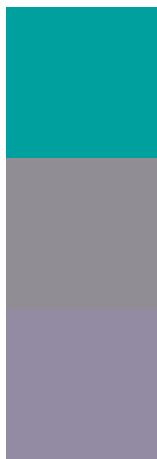


This preview shows how white text looks on a background with the Yxy color 27.6448, 0.2252, 0.3306.

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

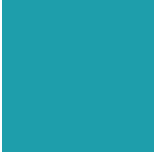
27.6448, 0.2252, 0.3306

Protanopia

27.4134, 0.3089, 0.3193

Deuteranopia

27.3486, 0.2967, 0.2902



Tritanopia

27.6700, 0.2220, 0.3054

Trichromacy



Original Color

27.6448, 0.2252, 0.3306



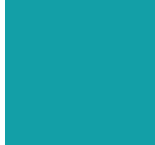
Protanomaly

26.0372, 0.2587, 0.3234



Deuteranomaly

25.8558, 0.2524, 0.3025



Tritanomaly

27.7247, 0.2226, 0.3142

Monochromacy



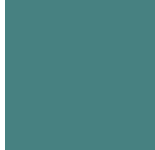
Original Color

27.6448, 0.2252, 0.3306



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.6251, 0.2544, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6448, 0.2252, 0.3306 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, 160, 159)` looks like.

```
.text, #text, p{  
  color:rgb(0, 160, 159)  
}
```

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, 160, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 159) }
```

Border

The CSS property to change the border of an element to Yxy 27.6448, 0.2252, 0.3306 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, 160, 159) }
```

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

```
.border{ border-color:rgb(0, 160, 159) }
```

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

Here you see how a box with a 4 pixel rgb(0, 160, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6448, 0.2252, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 159) }
```

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

```
.background{ background-color: rgb(0, 160,  
159) }
```

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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