

Converting Colors

$Yxy(23.8693, 0.1586, 0.3329)$

Have a look what the booklet for
Yxy(23.8693, 0.1586, 0.3329)
contains.

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Color

Yxy(27.6102, 0.2257, 0.3325)

Conversions

Conversions Part 1

Format	Color
Hex	00A09E
RGB	0, 160, 158
RGB Percent	0%, 63%, 62%
CMY	1.0000, 0.3725, 0.3804
CMYK	1.00, 0.00, 0.01, 0.37
HSL	179°, 100%, 31%
HSV	179°, 100%, 63%
XYZ	18.7417, 27.6102, 36.6863
YIQ	111.9320, -94.7180, -34.5420

Conversions

Conversions Part 2

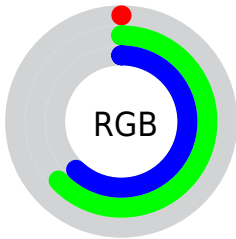
Format	Color
RYB	0, 81, 160
Decimal	41118
CIELab	59.53, -34.56, -8.94
CIELCh	60, 35.696, 194.499
Yxy	27.6102, 0.2257, 0.3325
Android (android.graphics.Color)	4278231198 (0xFF00A09E)
YUV	111.9320, 22.7115, -98.1644
Hunter-Lab	52.5454, -28.2877, -4.6134

Details

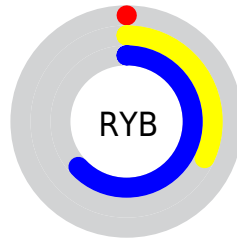
The Yxy color **27.6102, 0.2257, 0.3325** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.4785, 0.6385, 0.3291**, and the grayscale version is **16.1363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7321, 0.2428, 0.3315**, and **11.7867, 0.2254, 0.3314** is the 20% darker color. If you saturate the color by 10%, you get **27.6112, 0.2257, 0.3325**, and if you desaturate by 10%, it is **27.7283, 0.2273, 0.3321**.

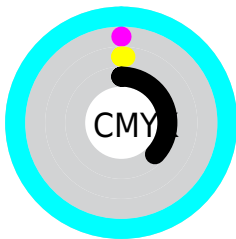
Distribution



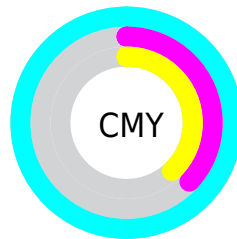
- Red (0%)
- Green (63%)
- Blue (62%)



- Red (0%)
- Yellow (32%)
- 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 27.6102, 0.2257, 0.3325 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 27.6102, 0.2257, 0.3325 by changing the saturation by 10% instead.


 27.6102, 0.2257,
0.3325


 27.6102, 0.2257,
0.3325


 290.5996, 0.2718,
0.3319


 18.0320, 0.2134,
0.3321


 55.8615, 0.2430,
0.3326

 10.9730, 0.1972,
0.3313


 75.3034, 0.2494,
0.3325


 6.0487, 0.1751,
0.3294

 98.8021, 0.2547,
0.3324

 2.8747, 0.1433,
0.3247

 126.7418, 0.2591,
0.3323

 1.0667, 0.0491,
0.3284

 159.5070, 0.2630,
0.3322

 0.0000, 0.0000,
0.0000

 197.4821, 0.2663,

0.3321

241.0515, 0.2692,
0.3320

■ 27.6102, 0.2257,
0.3325

■ 27.6102, 0.2257,
0.3325

■ 27.6112, 0.2257,
0.3325

■ 27.7283, 0.2273,
0.3321

■ 27.9322, 0.2301,
0.3317

■ 28.2606, 0.2346,
0.3313

■ 28.7292, 0.2411,
0.3310

■ 29.3518, 0.2493,
0.3306

■ 30.1402, 0.2593,
0.3302

■ 31.1053, 0.2709,
0.3299

■ 32.2569, 0.2839,
0.3296

■ 33.6042, 0.2979,
0.3293

Harmonies

Analogous

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



27.6102, 0.2670, 0.3927



27.6102, 0.2257, 0.3325



27.6102, 0.2074, 0.2786

Triad

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



27.6102, 0.2257, 0.3325



27.6102, 0.2932, 0.2471



27.6102, 0.4196, 0.4048

Complementary

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



27.6102, 0.2257, 0.3325



7.4785, 0.6385, 0.3291

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.



27.6102, 0.4308, 0.3616



27.6102, 0.2257, 0.3325



27.6102, 0.3538, 0.2754

Square

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



27.6102, 0.2257, 0.3325



27.6102, 0.2433, 0.2360



27.6102, 0.4063, 0.3158



27.6102, 0.3791, 0.4336

Rectangle

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



27.6102, 0.2257, 0.3325



27.6102, 0.2089, 0.2541



27.6102, 0.4063, 0.3158



27.6102, 0.4271, 0.3913

Sweetspot

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



27.6112, 0.2257, 0.3325



56.3644, 0.2702, 0.3299



25.1600, 0.3004, 0.5997



12.2030, 0.2655, 0.3300



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.



27.6112, 0.2257, 0.3325



50.1294, 0.2257, 0.3326



8.6747, 0.1792, 0.1652



7.5081, 0.2990, 0.3292



21.5082, 0.2257, 0.3325



0.3850, 0.2252, 0.3309

Inverse Universe

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



7.4785, 0.6385, 0.3291



13.5757, 0.6389, 0.3293



12.8293, 0.5439, 0.4063



6.6474, 0.3282, 0.3288



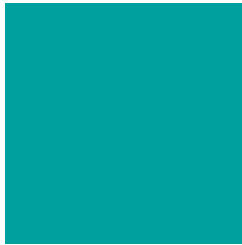
5.8257, 0.6383, 0.3290



0.1045, 0.6294, 0.3241

Previews

White Background



This preview shows how the Yxy color 27.6102, 0.2257, 0.3325 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 27.6102, 0.2257, 0.3325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

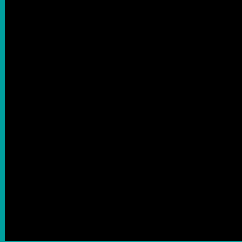
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6102, 0.2257, 0.3325

Background



This preview shows how black text looks on a background with the Yxy color 27.6102, 0.2257, 0.3325.

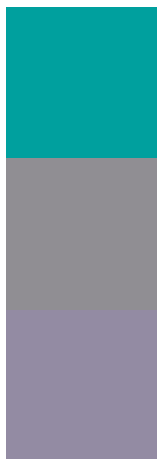


This preview shows how white text looks on a background with the Yxy color 27.6102, 0.2257, 0.3325.

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

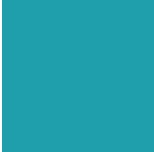
27.6102, 0.2257, 0.3325

Protanopia

27.3819, 0.3099, 0.3209

Deuteranopia

27.3126, 0.2977, 0.2917



Tritanopia

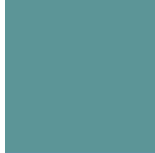
27.6853, 0.2222, 0.3054

Trichromacy



Original Color

27.6102, 0.2257, 0.3325



Protanomaly

26.0046, 0.2595, 0.3252



Deuteranomaly

25.8203, 0.2531, 0.3042



Tritanomaly

27.6982, 0.2232, 0.3160

Monochromacy



Original Color

27.6102, 0.2257, 0.3325



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 27.6102, 0.2257, 0.3325 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 158) }
```

Border

The CSS property to change the border of an element to Yxy 27.6102, 0.2257, 0.3325 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, 158) }
```

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

```
.border{ border-color:rgb(0, 160, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6102, 0.2257, 0.3325 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, 158) }
```

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

```
.background{ background-color: rgb(0, 160,  
158) }
```

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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