

Converting Colors

$Yxy(27.4517, 0.2349, 0.3782)$

Have a look what the booklet for
Yxy(27.4517, 0.2349, 0.3782)
contains.

Yxy(27.6468, 0.2383, 0.3779)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6468, 0.2383, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	00A289
RGB	0, 162, 137
RGB Percent	0%, 64%, 54%
CMY	1.0000, 0.3647, 0.4628
CMYK	1.00, 0.00, 0.15, 0.36
HSL	171°, 100%, 32%
HSV	171°, 100%, 64%
XYZ	17.4338, 27.6468, 28.0784
YIQ	110.7120, -88.5270, -42.1190

Conversions

Conversions Part 2

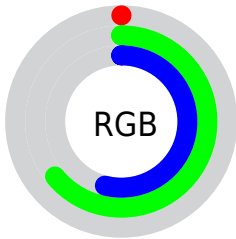
Format	Color
RYB	0, 88, 162
Decimal	41609
CIELab	59.57, -41.64, 2.99
CIELCh	60, 41.743, 175.895
Yxy	27.6468, 0.2383, 0.3779
Android (android.graphics.Color)	4278231689 (0xFF00A289)
YUV	110.7120, 12.9600, -97.0944
Hunter-Lab	52.5802, -32.8309, 5.1446

Details

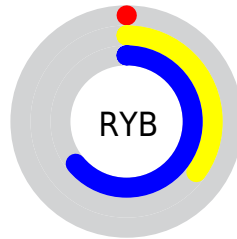
The Yxy color **27.6468, 0.2383, 0.3779** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.7523, 0.6166, 0.3170**, and the grayscale version is **15.7900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0847, 0.2540, 0.3683**, and **11.6254, 0.2421, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **27.6484, 0.2383, 0.3779**, and if you desaturate by 10%, it is **27.8330, 0.2387, 0.3725**.

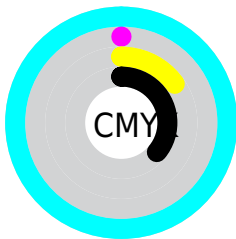
Distribution



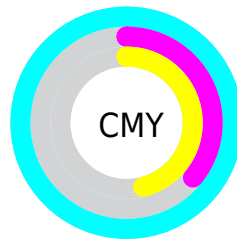
- Red (0%)
- Green (64%)
- Blue (54%)



- Red (0%)
- Yellow (35%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6468, 0.2383, 0.3779 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 27.6468, 0.2383, 0.3779 by changing the saturation by 10% instead.


 27.6468, 0.2383,
0.3779


 27.6468, 0.2383,
0.3779


290.7753, 0.2786,
0.3510

 18.0596, 0.2272,
0.3855


 55.9200, 0.2537,
0.3675

 10.9928, 0.2122,
0.3959


 75.3749, 0.2593,
0.3638

 6.0620, 0.1911,
0.4108


 98.8877, 0.2639,
0.3607

 2.8828, 0.1594,
0.4339

 126.8429, 0.2678,
0.3582

 1.0709, 0.0000,
0.5314

 159.6248, 0.2711,
0.3560

 0.0000, 0.0000,
0.0000

 197.6180, 0.2739,

0.3541

241.2067, 0.2764,
0.3525

■ 27.6468, 0.2383,
0.3779

■ 27.6468, 0.2383,
0.3779

■ 27.6484, 0.2383,
0.3779

■ 27.8330, 0.2387,
0.3725

■ 28.1089, 0.2405,
0.3671

■ 28.5145, 0.2441,
0.3617

■ 29.0662, 0.2496,
0.3564

■ 29.7779, 0.2568,
0.3512

■ 30.6622, 0.2657,
0.3461

■ 31.7300, 0.2760,
0.3414

■ 32.9917, 0.2875,
0.3369

■ 34.4566, 0.2998,
0.3328

Harmonies

Analogous

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



27.6468, 0.2978, 0.4386



27.6468, 0.2383, 0.3779



27.6468, 0.2012, 0.3057

Triad

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



27.6468, 0.2383, 0.3779



27.6468, 0.2517, 0.2249



27.6468, 0.4498, 0.3843

Complementary

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



27.6468, 0.2383, 0.3779



7.7523, 0.6166, 0.3170

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.



27.6468, 0.4379, 0.3321



27.6468, 0.2383, 0.3779



27.6468, 0.3158, 0.2455

Square

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



27.6468, 0.2383, 0.3779



27.6468, 0.2089, 0.2259



27.6468, 0.3864, 0.2834



27.6468, 0.4211, 0.4311

Rectangle

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



27.6468, 0.2383, 0.3779



27.6468, 0.1918, 0.2671



27.6468, 0.3864, 0.2834



27.6468, 0.4507, 0.3670

Sweetspot

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



27.6484, 0.2383, 0.3779



57.4794, 0.2754, 0.3416



26.0757, 0.3055, 0.5956



12.7273, 0.2712, 0.3435



82.7571, 0.3127, 0.3290



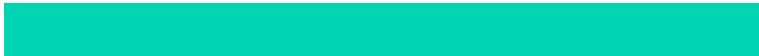
14.7319, 0.3127, 0.3290

Same Dimension

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



27.6484, 0.2383, 0.3779



50.1653, 0.2386, 0.3789



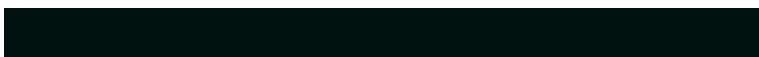
13.3348, 0.1937, 0.2173



7.9924, 0.3007, 0.3325



21.7855, 0.2382, 0.3774



0.4625, 0.2328, 0.3579

Inverse Universe

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



7.7523, 0.6166, 0.3170



14.0531, 0.6200, 0.3189



10.3205, 0.5860, 0.3729



7.1030, 0.3262, 0.3256



6.1113, 0.6149, 0.3161



0.1332, 0.5386, 0.2740

Previews

White Background



This preview shows how the Yxy color 27.6468, 0.2383, 0.3779 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 27.6468, 0.2383, 0.3779 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 27.6468, 0.2383, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 27.6468, 0.2383, 0.3779.

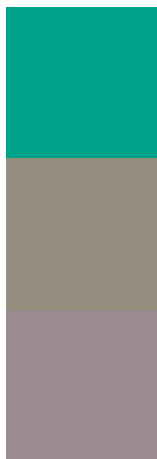


This preview shows how white text looks on a background with the Yxy color 27.6468, 0.2383, 0.3779.

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

27.6468, 0.2383, 0.3779

Protanopia

27.2419, 0.3368, 0.3551

Deuteranopia

27.1979, 0.3285, 0.3228



Tritanopia

27.5971, 0.2263, 0.3056

Trichromacy



Original Color

27.6468, 0.2383, 0.3779



Protanomaly

25.5395, 0.2783, 0.3646



Deuteranomaly

25.4135, 0.2731, 0.3417



Tritanomaly

27.5261, 0.2291, 0.3306

Monochromacy



Original Color

27.6468, 0.2383, 0.3779



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.6609, 0.2623, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6468, 0.2383, 0.3779 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, 162, 137)` looks like.

```
.text, #text, p{  
  color:rgb(0, 162, 137)  
}
```

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, 162, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 137) }
```

Border

The CSS property to change the border of an element to Yxy 27.6468, 0.2383, 0.3779 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, 162, 137) }
```

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

```
.border{ border-color:rgb(0, 162, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6468, 0.2383, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 137) }
```

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

```
.background{ background-color: rgb(0, 162,  
137) }
```

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