

Converting Colors

$Yxy(27.6756, 0.2377, 0.3758)$

Have a look what the booklet for
 $\text{Yxy}(27.6756, 0.2377, 0.3758)$
contains.

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Color

Yxy(27.6756, 0.2377, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	00A28A
RGB	0, 162, 138
RGB Percent	0%, 64%, 54%
CMY	1.0000, 0.3647, 0.4588
CMYK	1.00, 0.00, 0.15, 0.36
HSL	171°, 100%, 32%
HSV	171°, 100%, 64%
XYZ	17.5053, 27.6756, 28.4636
YIQ	110.8260, -88.8480, -41.8080

Conversions

Conversions Part 2

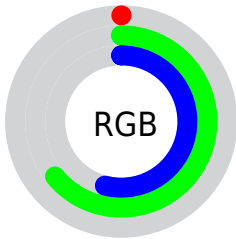
Format	Color
RYB	0, 87, 162
Decimal	41610
CIELab	59.59, -41.36, 2.45
CIELCh	60, 41.434, 176.604
Yxy	27.6756, 0.2377, 0.3758
Android (android.graphics.Color)	4278231690 (0xFF00A28A)
YUV	110.8260, 13.3968, -97.1944
Hunter-Lab	52.6076, -32.6670, 4.7462

Details

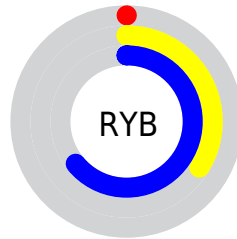
The Yxy color **27.6756, 0.2377, 0.3758** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.7481, 0.6180, 0.3178**, and the grayscale version is **15.8243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1285, 0.2535, 0.3669**, and **11.6419, 0.2412, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **27.6782, 0.2377, 0.3758**, and if you desaturate by 10%, it is **27.8604, 0.2382, 0.3707**.

Distribution



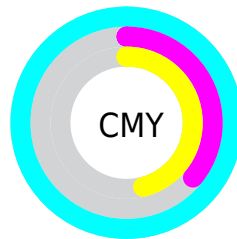
- Red (0%)
- Green (64%)
- Blue (54%)



- Red (0%)
- Yellow (34%)
- 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 27.6756, 0.2377, 0.3758 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 27.6756, 0.2377, 0.3758 by changing the saturation by 10% instead.


 27.6756, 0.2377,
0.3758


 27.6756, 0.2377,
0.3758


290.9135, 0.2783,
0.3502


 18.0813, 0.2265,
0.3830


 55.9661, 0.2532,
0.3659

 11.0083, 0.2115,
0.3928


 75.4311, 0.2588,
0.3624


 6.0725, 0.1903,
0.4069

 98.9550, 0.2634,
0.3595

 2.8892, 0.1587,
0.4285

 126.9224, 0.2673,
0.3570

 1.0742, 0.0000,
0.5216

 159.7175, 0.2707,
0.3549

 0.0000, 0.0000,
0.0000

 197.7248, 0.2735,

0.3531

241.3287, 0.2761,
0.3516

■ 27.6756, 0.2377,
0.3758

■ 27.6756, 0.2377,
0.3758

■ 27.6782, 0.2377,
0.3758

■ 27.8604, 0.2382,
0.3707

■ 28.1339, 0.2400,
0.3655

■ 28.5369, 0.2437,
0.3603

■ 29.0859, 0.2492,
0.3552

■ 29.7948, 0.2565,
0.3502

■ 30.6761, 0.2654,
0.3454

■ 31.7409, 0.2758,
0.3409

■ 32.9993, 0.2873,
0.3366

■ 34.4608, 0.2997,
0.3326

Harmonies

Analogous

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



27.6756, 0.2964, 0.4366



27.6756, 0.2377, 0.3758



27.6756, 0.2014, 0.3044

Triad

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



27.6756, 0.2377, 0.3758



27.6756, 0.2534, 0.2258



27.6756, 0.4485, 0.3852

Complementary

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



27.6756, 0.2377, 0.3758



7.7481, 0.6180, 0.3178

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.



27.6756, 0.4377, 0.3334



27.6756, 0.2377, 0.3758



27.6756, 0.3174, 0.2467

Square

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



27.6756, 0.2377, 0.3758



27.6756, 0.2103, 0.2263



27.6756, 0.3874, 0.2848



27.6756, 0.4193, 0.4313

Rectangle

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



27.6756, 0.2377, 0.3758



27.6756, 0.1925, 0.2664



27.6756, 0.3874, 0.2848



27.6756, 0.4497, 0.3680

Sweetspot

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



27.6782, 0.2377, 0.3758



57.4982, 0.2752, 0.3411



26.0411, 0.3047, 0.5963



12.7320, 0.2709, 0.3429



82.7571, 0.3127, 0.3290



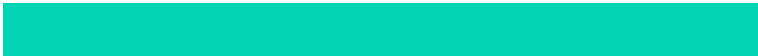
14.7319, 0.3127, 0.3290

Same Dimension

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



27.6782, 0.2377, 0.3758



50.2191, 0.2380, 0.3767



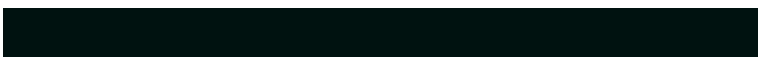
12.7742, 0.1921, 0.2114



7.9931, 0.3006, 0.3323



21.8084, 0.2376, 0.3753



0.4628, 0.2324, 0.3567

Inverse Universe

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



7.7481, 0.6180, 0.3178



14.0459, 0.6213, 0.3196



10.5791, 0.5817, 0.3764



7.1023, 0.3263, 0.3257



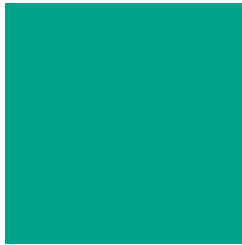
6.1078, 0.6163, 0.3169



0.1330, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 27.6756, 0.2377, 0.3758 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 27.6756, 0.2377, 0.3758 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 27.6756, 0.2377, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 27.6756, 0.2377, 0.3758.

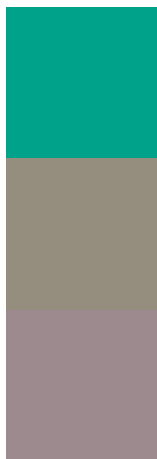


This preview shows how white text looks on a background with the Yxy color 27.6756, 0.2377, 0.3758.

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

27.6756, 0.2377, 0.3758

Protanopia

27.2679, 0.3357, 0.3535

Deuteranopia

27.2280, 0.3275, 0.3212



Tritanopia

27.5741, 0.2260, 0.3055

Trichromacy



Original Color

27.6756, 0.2377, 0.3758



Protanomaly

25.5665, 0.2775, 0.3626



Deuteranomaly

25.4432, 0.2723, 0.3398



Tritanomaly

27.5261, 0.2291, 0.3306

Monochromacy



Original Color

27.6756, 0.2377, 0.3758



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.6853, 0.2614, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6756, 0.2377, 0.3758 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, 138)` looks like.

```
.text, #text, p{  
  color:rgb(0, 162, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 138) }
```

Border

The CSS property to change the border of an element to Yxy 27.6756, 0.2377, 0.3758 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, 138) }
```

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

```
.border{ border-color:rgb(0, 162, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6756, 0.2377, 0.3758 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, 138) }
```

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

```
.background{ background-color: rgb(0, 162,  
138) }
```

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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