

Converting Colors

$Yxy(27.2522, 0.2153, 0.3907)$

Have a look what the booklet for
Yxy(27.2522, 0.2153, 0.3907)
contains.

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Color

Yxy(28.6595, 0.2409, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	00A587
RGB	0, 165, 135
RGB Percent	0%, 65%, 53%
CMY	1.0000, 0.3529, 0.4706
CMYK	1.00, 0.00, 0.18, 0.35
HSL	169°, 100%, 32%
HSV	169°, 100%, 65%
XYZ	17.8262, 28.6595, 27.5125
YIQ	112.2450, -88.7100, -44.3100

Conversions

Conversions Part 2

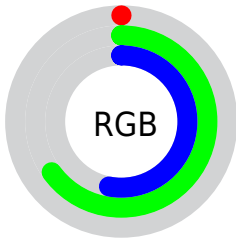
Format	Color
RYB	0, 91, 165
Decimal	42375
CIELab	60.48, -43.45, 5.42
CIELCh	60, 43.787, 172.888
Yxy	28.6595, 0.2409, 0.3873
Android (android.graphics.Color)	4278232455 (0xFF00A587)
YUV	112.2450, 11.2182, -98.4389
Hunter-Lab	53.5346, -34.2478, 7.0038

Details

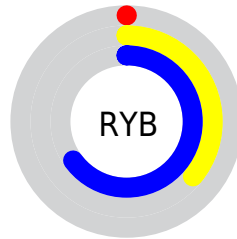
The Yxy color **28.6595, 0.2409, 0.3873** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.0938, 0.6104, 0.3136**, and the grayscale version is **16.2658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5679, 0.2558, 0.3752**, and **12.2442, 0.2458, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **28.6618, 0.2409, 0.3873**, and if you desaturate by 10%, it is **28.8622, 0.2410, 0.3809**.

Distribution



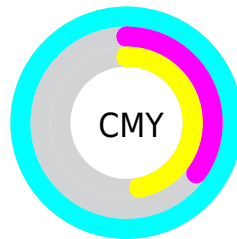
- Red (0%)
- Green (65%)
- Blue (53%)



- Red (0%)
- Yellow (36%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6595, 0.2409, 0.3873 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 28.6595, 0.2409, 0.3873 by changing the saturation by 10% instead.

 28.6595, 0.2409,
0.3873


 28.6595, 0.2409,
0.3873

 295.6050, 0.2798,
0.3551


 18.8234, 0.2301,
0.3965


 57.5357, 0.2558,
0.3748

 11.5427, 0.2156,
0.4092


 77.3445, 0.2612,
0.3703


 6.4331, 0.1952,
0.4275


 101.2464, 0.2656,
0.3666

 3.1102, 0.1644,
0.4564

 129.6257, 0.2694,
0.3636

 1.1895, 0.0199,
0.5622

 162.8668, 0.2725,
0.3610

 0.0531, 0.0000,
1.0000

 201.3541, 0.2753,

 0.0000, 0.0000,

0.3587

0.0000

245.4720, 0.2777,
0.3568

■ 28.6595, 0.2409,
0.3873

■ 28.6595, 0.2409,
0.3873

■ 28.6618, 0.2409,
0.3873

■ 28.8622, 0.2410,
0.3809

■ 29.1590, 0.2426,
0.3744

■ 29.5918, 0.2460,
0.3679

■ 30.1776, 0.2512,
0.3615

■ 30.9312, 0.2583,
0.3553

■ 31.8655, 0.2670,
0.3493

■ 32.9922, 0.2770,
0.3436

■ 34.3219, 0.2882,
0.3383

■ 35.8646, 0.3002,
0.3335

Harmonies

Analogous

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



28.6595, 0.3038, 0.4472



28.6595, 0.2409, 0.3873



28.6595, 0.2002, 0.3115

Triad

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



28.6595, 0.2409, 0.3873



28.6595, 0.2440, 0.2207



28.6595, 0.4554, 0.3802

Complementary

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



28.6595, 0.2409, 0.3873



8.0938, 0.6104, 0.3136

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.



28.6595, 0.4387, 0.3265



28.6595, 0.2409, 0.3873



28.6595, 0.3084, 0.2399

Square

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



28.6595, 0.2409, 0.3873



28.6595, 0.2026, 0.2241



28.6595, 0.3821, 0.2773



28.6595, 0.4291, 0.4299

Rectangle

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



28.6595, 0.2409, 0.3873



28.6595, 0.1887, 0.2699



28.6595, 0.3821, 0.2773



28.6595, 0.4549, 0.3622

Sweetspot

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



28.6618, 0.2409, 0.3873



58.9614, 0.2764, 0.3439



27.1924, 0.3063, 0.5950



12.7067, 0.2723, 0.3462



82.7571, 0.3127, 0.3290



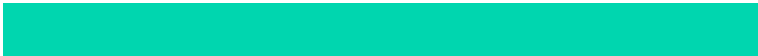
14.7319, 0.3127, 0.3290

Same Dimension

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



28.6618, 0.2409, 0.3873



51.2992, 0.2412, 0.3884



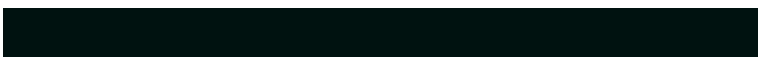
14.4724, 0.1953, 0.2231



7.9891, 0.3011, 0.3331



21.6878, 0.2407, 0.3866



0.4611, 0.2343, 0.3634

Inverse Universe

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



8.0938, 0.6104, 0.3136



14.4724, 0.6140, 0.3156



10.4786, 0.5906, 0.3693



7.1060, 0.3258, 0.3249



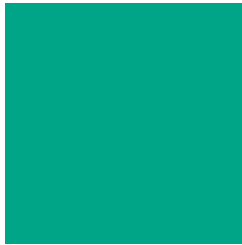
6.1281, 0.6082, 0.3124



0.1343, 0.5248, 0.2665

Previews

White Background



This preview shows how the Yxy color 28.6595, 0.2409, 0.3873 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 28.6595, 0.2409, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

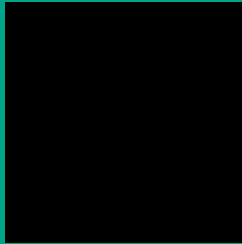
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6595, 0.2409, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 28.6595, 0.2409, 0.3873.

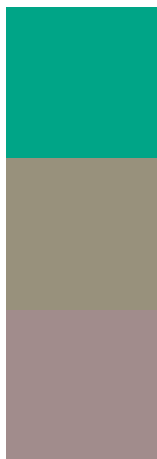


This preview shows how white text looks on a background with the Yxy color 28.6595, 0.2409, 0.3873.

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

28.6595, 0.2409, 0.3873

Protanopia

28.3814, 0.3414, 0.3628

Deuteranopia

28.2267, 0.3359, 0.3291



Tritanopia

28.8117, 0.2271, 0.3060

Trichromacy



Original Color

28.6595, 0.2409, 0.3873



Protanomaly

26.5564, 0.2821, 0.3735



Deuteranomaly

26.1547, 0.2777, 0.3489



Tritanomaly

28.6352, 0.2305, 0.3343

Monochromacy



Original Color

28.6595, 0.2409, 0.3873



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.9283, 0.2626, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6595, 0.2409, 0.3873 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, 165, 135)` looks like.

```
.text, #text, p{  
  color:rgb(0, 165, 135)  
}
```

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, 165, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 135) }
```

Border

The CSS property to change the border of an element to Yxy 28.6595, 0.2409, 0.3873 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, 165, 135) }
```

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

```
.border{ border-color:rgb(0, 165, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6595, 0.2409, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 135) }
```

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

```
.background{ background-color: rgb(0, 165,  
135) }
```

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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