

Converting Colors

$Yxy(25.0261, 0.1665, 0.4157)$

Have a look what the booklet for
Yxy(25.0261, 0.1665, 0.4157)
contains.

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Color

Yxy(28.8574, 0.2449, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	00A681
RGB	0, 166, 129
RGB Percent	0%, 65%, 51%
CMY	0.9988, 0.3490, 0.4941
CMYK	1.00, 0.00, 0.22, 0.35
HSL	167°, 100%, 33%
HSV	167°, 100%, 65%
XYZ	17.6019, 28.8574, 25.4146
YIQ	112.1480, -87.0590, -46.6990

Conversions

Conversions Part 2

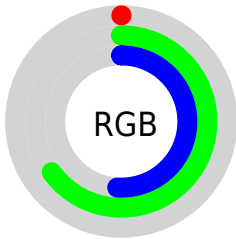
Format	Color
RYB	0, 93, 166
Decimal	42625
CIELab	60.66, -45.41, 9.02
CIElCh	61, 46.300, 168.762
Yxy	28.8574, 0.2449, 0.4015
Android (android.graphics.Color)	4278232705 (0xFF00A681)
YUV	112.1480, 8.3080, -98.3538
Hunter-Lab	53.7191, -35.5200, 9.5531

Details

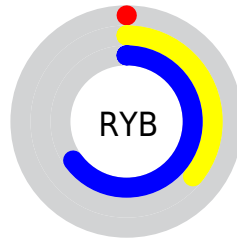
The Yxy color **28.8574, 0.2449, 0.4015** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2489, 0.5987, 0.3074**, and the grayscale version is **16.2719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8441, 0.2590, 0.3854**, and **12.3894, 0.2507, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **28.8546, 0.2449, 0.4017**, and if you desaturate by 10%, it is **29.0752, 0.2446, 0.3934**.

Distribution



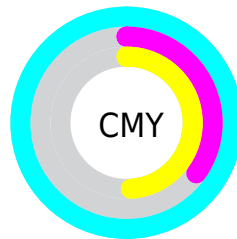
- Red (0%)
- Green (65%)
- Blue (51%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8574, 0.2449, 0.4015 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 28.8574, 0.2449, 0.4015 by changing the saturation by 10% instead.


 28.8574, 0.2449,
0.4015


 28.8574, 0.2449,
0.4015

 296.5415, 0.2820,
0.3609


 18.9730, 0.2345,
0.4134


 57.8504, 0.2592,
0.3856


 11.6508, 0.2203,
0.4298


 77.7279, 0.2643,
0.3799

 6.5063, 0.2002,
0.4539


 101.7050, 0.2686,
0.3753

 3.1553, 0.1694,
0.4927

 130.1664, 0.2721,
0.3715

 1.2134, 0.0067,
0.6456

 163.4963, 0.2751,
0.3682

 0.0726, 0.0000,
1.0000

 202.0793, 0.2777,

 0.0000, 0.0000,

0.3654

0.0000

246.2995, 0.2800,
0.3630

■ 28.8574, 0.2449,
0.4015

■ 28.8574, 0.2449,
0.4015

■ 28.8546, 0.2449,
0.4017

■ 29.0752, 0.2446,
0.3934

■ 29.3927, 0.2458,
0.3853

■ 29.8494, 0.2489,
0.3772

■ 30.4629, 0.2539,
0.3692

■ 31.2480, 0.2607,
0.3614

■ 32.2178, 0.2690,
0.3540

■ 33.3842, 0.2787,
0.3470

■ 34.7580, 0.2894,
0.3404

■ 36.3493, 0.3009,
0.3344

Harmonies

Analogous

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



28.8574, 0.3128, 0.4596



28.8574, 0.2449, 0.4015



28.8574, 0.1988, 0.3205

Triad

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



28.8574, 0.2449, 0.4015



28.8574, 0.2330, 0.2148



28.8574, 0.4633, 0.3740

Complementary

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



28.8574, 0.2449, 0.4015



8.2489, 0.5987, 0.3074

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.



28.8574, 0.4396, 0.3183



28.8574, 0.2449, 0.4015



28.8574, 0.2975, 0.2318

Square

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



28.8574, 0.2449, 0.4015



28.8574, 0.1937, 0.2214



28.8574, 0.3754, 0.2684



28.8574, 0.4407, 0.4276

Rectangle

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



28.8574, 0.2449, 0.4015



28.8574, 0.1843, 0.2743



28.8574, 0.3754, 0.2684



28.8574, 0.4608, 0.3552

Sweetspot

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



28.8585, 0.2449, 0.4015



60.4212, 0.2780, 0.3475



27.7027, 0.3095, 0.5923



13.3215, 0.2739, 0.3503



84.8088, 0.3127, 0.3290



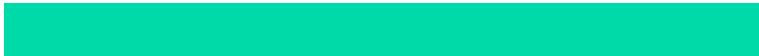
15.4872, 0.3127, 0.3290

Same Dimension

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



28.8585, 0.2449, 0.4015



52.3377, 0.2453, 0.4031



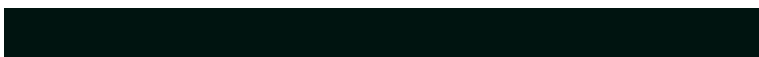
16.6286, 0.2003, 0.2410



8.5030, 0.3015, 0.3341



22.3836, 0.2447, 0.4009



0.5515, 0.2373, 0.3743

Inverse Universe

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



8.2489, 0.5987, 0.3074



14.9300, 0.6034, 0.3098



9.9458, 0.6022, 0.3598



7.5687, 0.3252, 0.3240



6.3965, 0.5971, 0.3063



0.1629, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 28.8574, 0.2449, 0.4015 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 28.8574, 0.2449, 0.4015 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 28.8574, 0.2449, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 28.8574, 0.2449, 0.4015.



This preview shows how white text looks on a background with the Yxy color 28.8574, 0.2449, 0.4015.

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

28.8574, 0.2449, 0.4015

Protanopia

28.4527, 0.3489, 0.3706

Deuteranopia

28.2920, 0.3435, 0.3368



Tritanopia

28.8888, 0.2281, 0.3060

Trichromacy



Original Color

28.8574, 0.2449, 0.4015



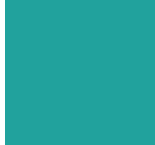
Protanomaly

26.8092, 0.2871, 0.3848



Deuteranomaly

26.1314, 0.2836, 0.3581



Tritanomaly

28.5983, 0.2320, 0.3380

Monochromacy



Original Color

28.8574, 0.2449, 0.4015



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.1501, 0.2646, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8574, 0.2449, 0.4015 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, 166, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 129)  
}
```

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, 166, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 129) }
```

Border

The CSS property to change the border of an element to Yxy 28.8574, 0.2449, 0.4015 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, 166, 129) }
```

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

```
.border{ border-color:rgb(0, 166, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8574, 0.2449, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 129) }
```

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

```
.background{ background-color: rgb(0, 166,  
129) }
```

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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