

Converting Colors

$Yxy(26.8301, 0.2452, 0.4025)$

Have a look what the booklet for
Yxy(26.8301, 0.2452, 0.4025)
contains.

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Color

Yxy(26.9450, 0.2455, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	00A17C
RGB	0, 161, 124
RGB Percent	0%, 63%, 49%
CMY	1.0000, 0.3686, 0.5138
CMYK	1.00, 0.00, 0.23, 0.37
HSL	166°, 100%, 32%
HSV	166°, 100%, 63%
XYZ	16.3819, 26.9450, 23.4017
YIQ	108.6430, -84.0790, -45.6390

Conversions

Conversions Part 2

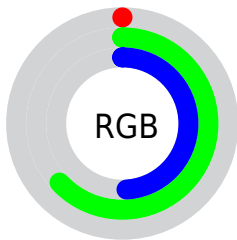
Format	Color
RYB	0, 91, 161
Decimal	41340
CIELab	58.92, -44.69, 9.38
CIELCh	59, 45.663, 168.149
Yxy	26.9450, 0.2455, 0.4038
Android (android.graphics.Color)	4278231420 (0xFF00A17C)
YUV	108.6430, 7.5710, -95.2799
Hunter-Lab	51.9086, -34.5071, 9.6066

Details

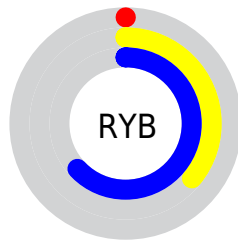
The Yxy color **26.9450, 0.2455, 0.4038** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.7112, 0.5967, 0.3061**, and the grayscale version is **15.1828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9737, 0.2600, 0.3866**, and **11.2331, 0.2518, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **26.9462, 0.2455, 0.4038**, and if you desaturate by 10%, it is **27.1527, 0.2452, 0.3955**.

Distribution



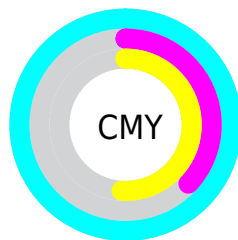
- Red (0%)
- Green (63%)
- Blue (49%)



- Red (0%)
- Yellow (36%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (37%)




- Cyan (100%)
- Magenta (37%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9450, 0.2455, 0.4038 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 26.9450, 0.2455, 0.4038 by changing the saturation by 10% instead.


 26.9450, 0.2455,
0.4038


 26.9450, 0.2455,
0.4038


287.3907, 0.2827,
0.3614


 17.5319, 0.2348,
0.4164


 54.7956, 0.2600,
0.3870


 10.6145, 0.2203,
0.4341


 74.0019, 0.2651,
0.3811

 5.8082, 0.1992,
0.4604

 97.2414, 0.2694,
0.3763

 2.7288, 0.1664,
0.5036

 124.8985, 0.2729,
0.3724

 0.9919, 0.0000,
0.7025

 157.3576, 0.2759,
0.3690

 0.0000, 0.0000,
0.0000

 195.0031, 0.2785,

0.3661

238.2193, 0.2807,
0.3636

■ 26.9450, 0.2455,
0.4038

■ 26.9450, 0.2455,
0.4038

■ 26.9462, 0.2455,
0.4038

■ 27.1527, 0.2452,
0.3955

■ 27.4509, 0.2464,
0.3871

■ 27.8789, 0.2494,
0.3788

■ 28.4529, 0.2543,
0.3705

■ 29.1867, 0.2610,
0.3625

■ 30.0924, 0.2693,
0.3548

■ 31.1811, 0.2788,
0.3476

■ 32.4629, 0.2895,
0.3408

■ 33.9470, 0.3008,
0.3346

Harmonies

Analogous

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



26.9450, 0.3142, 0.4616



26.9450, 0.2455, 0.4038



26.9450, 0.1985, 0.3219

Triad

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



26.9450, 0.2455, 0.4038



26.9450, 0.2312, 0.2138



26.9450, 0.4646, 0.3730

Complementary

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



26.9450, 0.2455, 0.4038



7.7112, 0.5967, 0.3061

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.



26.9450, 0.4398, 0.3170



26.9450, 0.2455, 0.4038



26.9450, 0.2958, 0.2305

Square

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



26.9450, 0.2455, 0.4038



26.9450, 0.1923, 0.2210



26.9450, 0.3743, 0.2670



26.9450, 0.4425, 0.4273

Rectangle

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



26.9450, 0.2455, 0.4038



26.9450, 0.1835, 0.2750



26.9450, 0.3743, 0.2670



26.9450, 0.4618, 0.3541

Sweetspot

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



26.9462, 0.2455, 0.4038



55.7205, 0.2783, 0.3480



25.8952, 0.3095, 0.5924



12.0445, 0.2744, 0.3508



80.7346, 0.3127, 0.3290



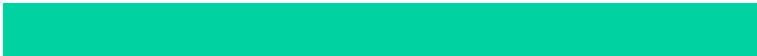
13.9985, 0.3127, 0.3290

Same Dimension

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



26.9462, 0.2455, 0.4038



48.2241, 0.2459, 0.4053



15.5467, 0.2003, 0.2410



7.9833, 0.3017, 0.3342



21.5263, 0.2453, 0.4031



0.4588, 0.2370, 0.3730

Inverse Universe

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



7.7112, 0.5967, 0.3061



13.7839, 0.6010, 0.3084



9.3005, 0.6023, 0.3600



7.1114, 0.3250, 0.3239



6.1637, 0.5947, 0.3050



0.1362, 0.5028, 0.2544

Previews

White Background



This preview shows how the Yxy color 26.9450, 0.2455, 0.4038 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 26.9450, 0.2455, 0.4038 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 26.9450, 0.2455, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 26.9450, 0.2455, 0.4038.

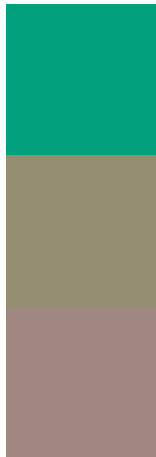


This preview shows how white text looks on a background with the Yxy color 26.9450, 0.2455, 0.4038.

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

26.9450, 0.2455, 0.4038

Protanopia

26.6542, 0.3497, 0.3735

Deuteranopia

26.5910, 0.3454, 0.3385



Tritanopia

26.9480, 0.2278, 0.3054

Trichromacy



Original Color

26.9450, 0.2455, 0.4038



Protanomaly

24.9207, 0.2882, 0.3865



Deuteranomaly

24.5760, 0.2847, 0.3608



Tritanomaly

26.6880, 0.2322, 0.3383

Monochromacy



Original Color

26.9450, 0.2455, 0.4038



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.9185, 0.2652, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9450, 0.2455, 0.4038 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, 161, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 124)  
}
```

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, 161, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 124) }
```

Border

The CSS property to change the border of an element to Yxy 26.9450, 0.2455, 0.4038 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, 161, 124) }
```

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

```
.border{ border-color:rgb(0, 161, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9450, 0.2455, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 124) }
```

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

```
.background{ background-color: rgb(0, 161,  
124) }
```

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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