

Converting Colors

$Yxy(26.9621, 0.2419, 0.4132)$

Have a look what the booklet for
Yxy(26.9621, 0.2419, 0.4132)
contains.

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Color

Yxy(27.2211, 0.2478, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	00A279
RGB	0, 162, 121
RGB Percent	0%, 64%, 47%
CMY	0.9994, 0.3647, 0.5255
CMYK	1.00, 0.00, 0.25, 0.36
HSL	165°, 100%, 32%
HSV	165°, 100%, 64%
XYZ	16.3723, 27.2211, 22.4772
YIQ	108.8880, -83.3910, -47.0950

Conversions

Conversions Part 2

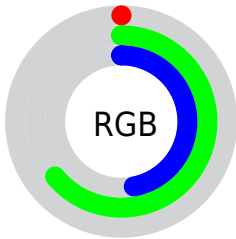
Format	Color
RYB	0, 93, 162
Decimal	41593
CIELab	59.18, -45.84, 11.42
CIELCh	59, 47.243, 166.016
Yxy	27.2211, 0.2478, 0.4120
Android (android.graphics.Color)	4278231673 (0xFF00A279)
YUV	108.8880, 5.9712, -95.4948
Hunter-Lab	52.1738, -35.2904, 10.9787

Details

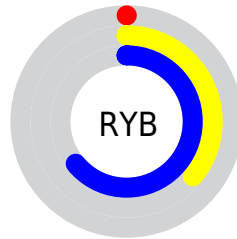
The Yxy color **27.2211, 0.2478, 0.4120** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.8460, 0.5893, 0.3021**, and the grayscale version is **15.2734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3336, 0.2623, 0.3940**, and **11.4052, 0.2551, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **27.2202, 0.2478, 0.4121**, and if you desaturate by 10%, it is **27.4373, 0.2473, 0.4027**.

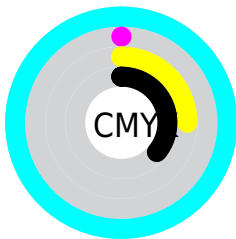
Distribution



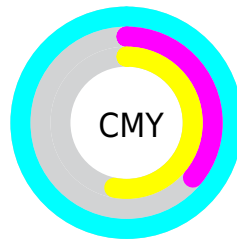
- Red (0%)
- Green (64%)
- Blue (47%)



- Red (0%)
- Yellow (36%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2211, 0.2478, 0.4120 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 27.2211, 0.2478, 0.4120 by changing the saturation by 10% instead.


 27.2211, 0.2478,
0.4120


 27.2211, 0.2478,
0.4120


288.7261, 0.2839,
0.3648


 17.7393, 0.2374,
0.4262


 55.2385, 0.2619,
0.3932


 10.7630, 0.2230,
0.4460


 74.5429, 0.2669,
0.3867


 5.9077, 0.2021,
0.4758

 97.8902, 0.2710,
0.3813

 2.7890, 0.1694,
0.5249

 125.6650, 0.2745,
0.3769

 1.0226, 0.0000,
0.7684

 158.2516, 0.2774,
0.3732

 0.0000, 0.0000,
0.0000

 196.0344, 0.2799,

0.3700

239.3977, 0.2820,
0.3672

■ 27.2211, 0.2478,
0.4120

■ 27.2211, 0.2478,
0.4120

■ 27.2202, 0.2478,
0.4121

■ 27.4373, 0.2473,
0.4027

■ 27.7473, 0.2483,
0.3934

■ 28.1897, 0.2511,
0.3841

■ 28.7811, 0.2559,
0.3749

■ 29.5355, 0.2624,
0.3660

■ 30.4653, 0.2704,
0.3575

■ 31.5816, 0.2798,
0.3495

■ 32.8947, 0.2902,
0.3420

■ 34.4141, 0.3013,
0.3352

Harmonies

Analogous

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



27.2211, 0.3192, 0.4683



27.2211, 0.2478, 0.4120



27.2211, 0.1978, 0.3273

Triad

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



27.2211, 0.2478, 0.4120



27.2211, 0.2252, 0.2105



27.2211, 0.4690, 0.3695

Complementary

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



27.2211, 0.2478, 0.4120



7.8460, 0.5893, 0.3021

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.



27.2211, 0.4401, 0.3124



27.2211, 0.2478, 0.4120



27.2211, 0.2898, 0.2260

Square

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



27.2211, 0.2478, 0.4120



27.2211, 0.1874, 0.2196



27.2211, 0.3704, 0.2620



27.2211, 0.4490, 0.4258

Rectangle

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



27.2211, 0.2478, 0.4120



27.2211, 0.1811, 0.2776



27.2211, 0.3704, 0.2620



27.2211, 0.4650, 0.3501

Sweetspot

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



27.2222, 0.2478, 0.4120



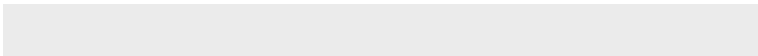
57.1881, 0.2791, 0.3500



26.3616, 0.3120, 0.5904



12.6541, 0.2753, 0.3532



82.7571, 0.3127, 0.3290



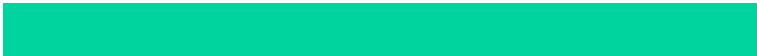
14.7319, 0.3127, 0.3290

Same Dimension

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



27.2222, 0.2478, 0.4120



49.3815, 0.2483, 0.4138



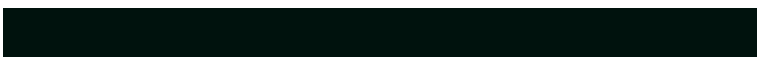
17.0843, 0.2036, 0.2527



7.9804, 0.3020, 0.3348



21.4518, 0.2476, 0.4113



0.4577, 0.2383, 0.3778

Inverse Universe

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



7.8460, 0.5893, 0.3021



14.2079, 0.5940, 0.3046



9.0628, 0.6094, 0.3542



7.1140, 0.3247, 0.3233



6.1841, 0.5874, 0.3010



0.1371, 0.4930, 0.2490

Previews

White Background



This preview shows how the Yxy color 27.2211, 0.2478, 0.4120 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 27.2211, 0.2478, 0.4120 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 27.2211, 0.2478, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 27.2211, 0.2478, 0.4120.



This preview shows how white text looks on a background with the Yxy color 27.2211, 0.2478, 0.4120.

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

27.2211, 0.2478, 0.4120

Protanopia

26.7768, 0.3552, 0.3781

Deuteranopia

26.7177, 0.3511, 0.3432



Tritanopia

27.3342, 0.2290, 0.3073

Trichromacy



Original Color

27.2211, 0.2478, 0.4120



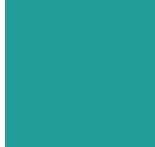
Protanomaly

25.2195, 0.2917, 0.3941



Deuteranomaly

24.6150, 0.2891, 0.3665



Tritanomaly

27.0114, 0.2335, 0.3420

Monochromacy



Original Color

27.2211, 0.2478, 0.4120



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.8958, 0.2661, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2211, 0.2478, 0.4120 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 121) }
```

Border

The CSS property to change the border of an element to Yxy 27.2211, 0.2478, 0.4120 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, 121) }
```

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

```
.border{ border-color:rgb(0, 162, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2211, 0.2478, 0.4120 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, 121) }
```

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

```
.background{ background-color: rgb(0, 162,  
121) }
```

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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