

Converting Colors

$Yxy(28.7271, 0.2478, 0.4121)$

Have a look what the booklet for
 $\text{Yxy}(28.7271, 0.2478, 0.4121)$
contains.

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Color

$\text{Yxy}(28.7277, 0.2478, 0.4121)$

Conversions

Conversions Part 1

Format	Color
Hex	00A67C
RGB	0, 166, 124
RGB Percent	0%, 65%, 49%
CMY	1.0000, 0.3490, 0.5137
CMYK	1.00, 0.00, 0.25, 0.35
HSL	165°, 100%, 33%
HSV	165°, 100%, 65%
XYZ	17.2743, 28.7277, 23.7085
YIQ	111.5780, -85.4540, -48.2540

Conversions

Conversions Part 2

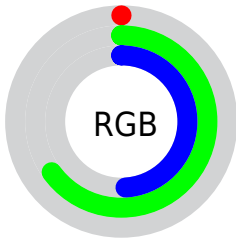
Format	Color
RYB	0, 95, 166
Decimal	42620
CIELab	60.54, -46.70, 11.64
CIElCh	61, 48.126, 165.998
Yxy	28.7277, 0.2478, 0.4121
Android (android.graphics.Color)	4278232700 (0xFF00A67C)
YUV	111.5780, 6.1240, -97.8539
Hunter-Lab	53.5982, -36.2678, 11.2925

Details

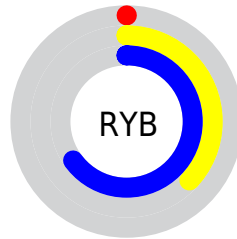
The Yxy color **28.7277, 0.2478, 0.4121** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2744, 0.5902, 0.3025**, and the grayscale version is **16.0748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6410, 0.2615, 0.3929**, and **12.3183, 0.2549, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **28.7293, 0.2478, 0.4121**, and if you desaturate by 10%, it is **28.9534, 0.2473, 0.4028**.

Distribution



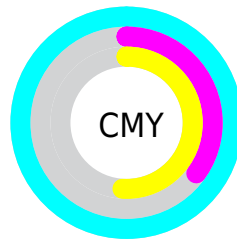
- Red (0%)
- Green (65%)
- Blue (49%)



- Red (0%)
- Yellow (37%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7277, 0.2478, 0.4121 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 28.7277, 0.2478, 0.4121 by changing the saturation by 10% instead.


 28.7277, 0.2478,
0.4121


 28.7277, 0.2478,
0.4121


295.9280, 0.2837,
0.3652

 18.8749, 0.2376,
0.4260


 57.6442, 0.2617,
0.3935


 11.5799, 0.2236,
0.4453


 77.4767, 0.2667,
0.3871


 6.4583, 0.2035,
0.4740


 101.4045, 0.2708,
0.3817

 3.1257, 0.1723,
0.5206

 129.8121, 0.2742,
0.3773

 1.1977, 0.0000,
0.7241

 163.0839, 0.2771,
0.3736

 0.0598, 0.0000,
1.0000

 201.6042, 0.2796,

 0.0000, 0.0000,

0.3704

0.0000

245.7574, 0.2818,
0.3676

■ 28.7277, 0.2478,
0.4121

■ 28.7277, 0.2478,
0.4121

■ 28.7293, 0.2478,
0.4121

■ 28.9534, 0.2473,
0.4028

■ 29.2776, 0.2482,
0.3935

■ 29.7418, 0.2510,
0.3842

■ 30.3634, 0.2557,
0.3750

■ 31.1574, 0.2622,
0.3661

■ 32.1369, 0.2703,
0.3576

■ 33.3139, 0.2796,
0.3496

■ 34.6992, 0.2900,
0.3421

■ 36.3029, 0.3011,
0.3352

Harmonies

Analogous

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



28.7277, 0.3193, 0.4684



28.7277, 0.2478, 0.4121



28.7277, 0.1977, 0.3273

Triad

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



28.7277, 0.2478, 0.4121



28.7277, 0.2251, 0.2104



28.7277, 0.4691, 0.3694

Complementary

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



28.7277, 0.2478, 0.4121



8.2744, 0.5902, 0.3025

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.



28.7277, 0.4401, 0.3124



28.7277, 0.2478, 0.4121



28.7277, 0.2897, 0.2259

Square

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



28.7277, 0.2478, 0.4121



28.7277, 0.1873, 0.2195



28.7277, 0.3704, 0.2620



28.7277, 0.4491, 0.4258

Rectangle

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



28.7277, 0.2478, 0.4121



28.7277, 0.1810, 0.2776



28.7277, 0.3704, 0.2620



28.7277, 0.4650, 0.3501

Sweetspot

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



28.7293, 0.2478, 0.4121



60.3302, 0.2791, 0.3500



27.8151, 0.3118, 0.5906



13.2988, 0.2752, 0.3532



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.



28.7293, 0.2478, 0.4121



52.1030, 0.2483, 0.4138



18.0017, 0.2035, 0.2525



8.4992, 0.3019, 0.3348



22.2850, 0.2476, 0.4113



0.5497, 0.2391, 0.3807

Inverse Universe

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



8.2744, 0.5902, 0.3025



14.9876, 0.5945, 0.3049



9.5410, 0.6099, 0.3539



7.5723, 0.3248, 0.3233



6.4227, 0.5879, 0.3012



0.1643, 0.4984, 0.2519

Previews

White Background



This preview shows how the Yxy color 28.7277, 0.2478, 0.4121 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 28.7277, 0.2478, 0.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

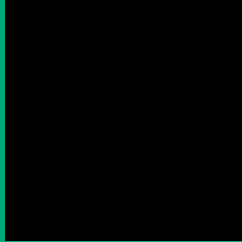
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7277, 0.2478, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 28.7277, 0.2478, 0.4121.

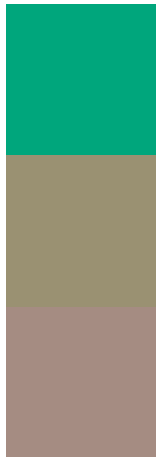


This preview shows how white text looks on a background with the Yxy color 28.7277, 0.2478, 0.4121.

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

28.7277, 0.2478, 0.4121

Protanopia

28.3357, 0.3540, 0.3787

Deuteranopia

28.3672, 0.3512, 0.3444



Tritanopia

28.9156, 0.2284, 0.3061

Trichromacy



Original Color

28.7277, 0.2478, 0.4121



Protanomaly

26.6871, 0.2912, 0.3946



Deuteranomaly

26.0567, 0.2887, 0.3675



Tritanomaly

28.5473, 0.2334, 0.3417

Monochromacy



Original Color

28.7277, 0.2478, 0.4121



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.1031, 0.2663, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7277, 0.2478, 0.4121 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 124) }
```

Border

The CSS property to change the border of an element to Yxy 28.7277, 0.2478, 0.4121 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, 124) }
```

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

```
.border{ border-color:rgb(0, 166, 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, 166, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7277, 0.2478, 0.4121 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, 124) }
```

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

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