

Converting Colors

$Yxy(27.0277, 0.2514, 0.4252)$

Have a look what the booklet for
Yxy(27.0277, 0.2514, 0.4252)
contains.

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Color

$\text{Yxy}(27.0785, 0.2514, 0.4251)$

Conversions

Conversions Part 1

Format	Color
Hex	00A273
RGB	0, 162, 115
RGB Percent	0%, 64%, 45%
CMY	1.0000, 0.3647, 0.5490
CMYK	1.00, 0.00, 0.29, 0.36
HSL	163°, 100%, 32%
HSV	163°, 100%, 64%
XYZ	16.0140, 27.0785, 20.6067
YIQ	108.2040, -81.4650, -48.9610

Conversions

Conversions Part 2

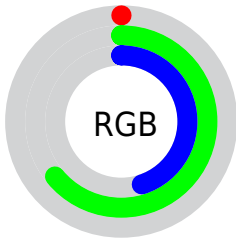
Format	Color
RYB	0, 95, 162
Decimal	41587
CIELab	59.05, -47.32, 14.56
CIELCh	59, 49.511, 162.893
Yxy	27.0785, 0.2514, 0.4251
Android (android.graphics.Color)	4278231667 (0xFF00A273)
YUV	108.2040, 3.3504, -94.8949
Hunter-Lab	52.0370, -36.1329, 12.9470

Details

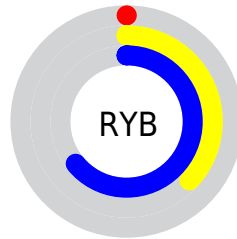
The Yxy color **27.0785, 0.2514, 0.4251** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.8870, 0.5773, 0.2954**, and the grayscale version is **15.0653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0567, 0.2649, 0.4033**, and **11.3425, 0.2595, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **27.0806, 0.2514, 0.4251**, and if you desaturate by 10%, it is **27.3035, 0.2506, 0.4144**.

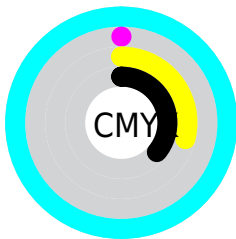
Distribution



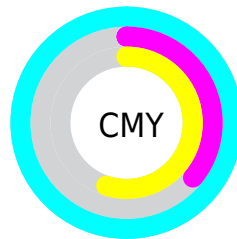
- Red (0%)
- Green (64%)
- Blue (45%)



- Red (0%)
- Yellow (37%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0785, 0.2514, 0.4251 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 27.0785, 0.2514, 0.4251 by changing the saturation by 10% instead.


 27.0785, 0.2514,
0.4251


 27.0785, 0.2514,
0.4251


288.0370, 0.2860,
0.3699


 17.6322, 0.2412,
0.4418


 55.0098, 0.2651,
0.4030

 10.6862, 0.2270,
0.4655


 74.2636, 0.2699,
0.3954

 5.8563, 0.2061,
0.5012

 97.5553, 0.2738,
0.3892

 2.7579, 0.1726,
0.5606

 125.2694, 0.2770,
0.3840

 1.0067, 0.0000,
0.9330

 157.7902, 0.2798,
0.3796

 0.0000, 0.0000,
0.0000

 195.5022, 0.2822,

0.3759

238.7896, 0.2842,
0.3727

■ 27.0785, 0.2514,
0.4251

■ 27.0785, 0.2514,
0.4251

■ 27.0806, 0.2514,
0.4251

■ 27.3035, 0.2506,
0.4144

■ 27.6217, 0.2512,
0.4035

■ 28.0735, 0.2537,
0.3927

■ 28.6754, 0.2582,
0.3821

■ 29.4416, 0.2644,
0.3717

■ 30.3845, 0.2721,
0.3619

■ 31.5151, 0.2811,
0.3526

■ 32.8439, 0.2910,
0.3440

■ 34.3803, 0.3017,
0.3361

Harmonies

Analogous

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



27.0785, 0.3271, 0.4787



27.0785, 0.2514, 0.4251



27.0785, 0.1966, 0.3358

Triad

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



27.0785, 0.2514, 0.4251



27.0785, 0.2159, 0.2054



27.0785, 0.4758, 0.3639

Complementary

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



27.0785, 0.2514, 0.4251



7.8870, 0.5773, 0.2954

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.



27.0785, 0.4404, 0.3053



27.0785, 0.2514, 0.4251



27.0785, 0.2803, 0.2191

Square

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



27.0785, 0.2514, 0.4251



27.0785, 0.1799, 0.2173



27.0785, 0.3642, 0.2544



27.0785, 0.4591, 0.4233

Rectangle

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



27.0785, 0.2514, 0.4251



27.0785, 0.1773, 0.2819



27.0785, 0.3642, 0.2544



27.0785, 0.4699, 0.3440

Sweetspot

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



27.0806, 0.2514, 0.4251



57.0832, 0.2805, 0.3531



26.4855, 0.3147, 0.5883



12.6278, 0.2768, 0.3568



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.



27.0806, 0.2514, 0.4251



49.1226, 0.2520, 0.4271



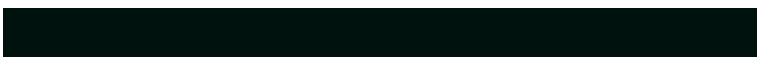
18.4689, 0.2067, 0.2642



7.9761, 0.3024, 0.3356



21.3411, 0.2512, 0.4242



0.4560, 0.2404, 0.3854

Inverse Universe

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



7.8870, 0.5773, 0.2954



14.2862, 0.5820, 0.2980



8.7367, 0.6162, 0.3489



7.1182, 0.3241, 0.3225



6.2199, 0.5751, 0.2942



0.1385, 0.4788, 0.2411

Previews

White Background



This preview shows how the Yxy color 27.0785, 0.2514, 0.4251 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 27.0785, 0.2514, 0.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

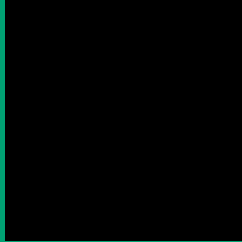
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0785, 0.2514, 0.4251

Background



This preview shows how black text looks on a background with the Yxy color 27.0785, 0.2514, 0.4251.



This preview shows how white text looks on a background with the Yxy color 27.0785, 0.2514, 0.4251.

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

27.0785, 0.2514, 0.4251

Protanopia

26.6490, 0.3616, 0.3880

Deuteranopia

26.6702, 0.3591, 0.3526



Tritanopia

27.0541, 0.2293, 0.3055

Trichromacy



Original Color

27.0785, 0.2514, 0.4251



Protanomaly

25.0858, 0.2968, 0.4062



Deuteranomaly

24.4663, 0.2945, 0.3782



Tritanomaly

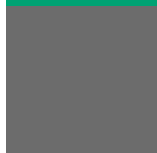
26.9637, 0.2349, 0.3459

Monochromacy



Original Color

27.0785, 0.2514, 0.4251



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.8512, 0.2679, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0785, 0.2514, 0.4251 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 115) }
```

Border

The CSS property to change the border of an element to Yxy 27.0785, 0.2514, 0.4251 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, 115) }
```

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

```
.border{ border-color:rgb(0, 162, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0785, 0.2514, 0.4251 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, 115) }
```

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

```
.background{ background-color: rgb(0, 162,  
115) }
```

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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