

Converting Colors

$Y_{xy}(30.4719, 0.2512, 0.4243)$

Have a look what the booklet for
Yxy(30.4719, 0.2512, 0.4243)
contains.

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Color

Yxy(30.5310, 0.2512, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	00AB7A
RGB	0, 171, 122
RGB Percent	0%, 67%, 48%
CMY	0.9999, 0.3294, 0.5216
CMYK	1.00, 0.00, 0.29, 0.33
HSL	163°, 100%, 34%
HSV	163°, 100%, 67%
XYZ	18.0754, 30.5310, 23.3498
YIQ	114.2850, -86.1870, -51.4910

Conversions

Conversions Part 2

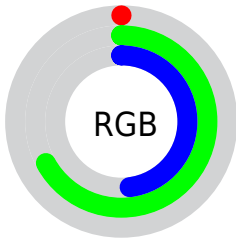
Format	Color
RYB	0, 100, 171
Decimal	43898
CIELab	62.11, -49.15, 14.96
CIELCh	62, 51.374, 163.070
Yxy	30.5310, 0.2512, 0.4243
Android (android.graphics.Color)	4278233978 (0xFF00AB7A)
YUV	114.2850, 3.8035, -100.2279
Hunter-Lab	55.2549, -38.3037, 13.6234

Details

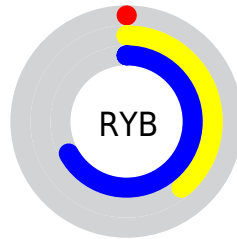
The Yxy color **30.5310, 0.2512, 0.4243** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.8808, 0.5795, 0.2966**, and the grayscale version is **16.9273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3086, 0.2641, 0.4020**, and **13.2036, 0.2589, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **30.5319, 0.2512, 0.4243**, and if you desaturate by 10%, it is **30.7770, 0.2503, 0.4137**.

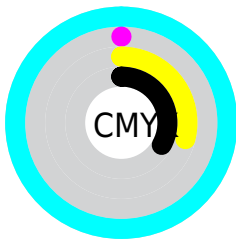
Distribution



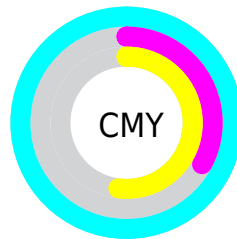
- Red (0%)
- Green (67%)
- Blue (48%)



- Red (0%)
- Yellow (39%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5310, 0.2512, 0.4243 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 30.5310, 0.2512, 0.4243 by changing the saturation by 10% instead.


 30.5310, 0.2512,
0.4243


 30.5310, 0.2512,
0.4243


 304.3718, 0.2853,
0.3706


 20.2420, 0.2414,
0.4401


 60.5009, 0.2645,
0.4031


 12.5711, 0.2281,
0.4621


 80.9506, 0.2692,
0.3957


 7.1339, 0.2088,
0.4946


 105.5560, 0.2731,
0.3896

 3.5460, 0.1789,
0.5468

 134.7014, 0.2763,
0.3845

 1.4230, 0.0389,
0.7445

 168.7713, 0.2791,
0.3802

 0.2336, 0.0000,
1.0000

 208.1501, 0.2814,

 0.0000, 0.0000,

0.3765

0.0000

253.2221, 0.2835,
0.3733

■ 30.5310, 0.2512,
0.4243

■ 30.5310, 0.2512,
0.4243

■ 30.5319, 0.2512,
0.4243

■ 30.7770, 0.2503,
0.4137

■ 31.1313, 0.2509,
0.4030

■ 31.6368, 0.2534,
0.3922

■ 32.3123, 0.2578,
0.3817

■ 33.1739, 0.2641,
0.3714

■ 34.2359, 0.2718,
0.3616

■ 35.5111, 0.2808,
0.3524

■ 37.0111, 0.2909,
0.3439

■ 38.7469, 0.3016,
0.3361

Harmonies

Analogous

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



30.5310, 0.3266, 0.4780



30.5310, 0.2512, 0.4243



30.5310, 0.1967, 0.3353

Triad

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



30.5310, 0.2512, 0.4243



30.5310, 0.2164, 0.2057



30.5310, 0.4754, 0.3642

Complementary

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



30.5310, 0.2512, 0.4243



8.8808, 0.5795, 0.2966

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.



30.5310, 0.4404, 0.3057



30.5310, 0.2512, 0.4243



30.5310, 0.2809, 0.2195

Square

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



30.5310, 0.2512, 0.4243



30.5310, 0.1804, 0.2175



30.5310, 0.3645, 0.2548



30.5310, 0.4585, 0.4234

Rectangle

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



30.5310, 0.2512, 0.4243



30.5310, 0.1776, 0.2816



30.5310, 0.3645, 0.2548



30.5310, 0.4695, 0.3443

Sweetspot

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



30.5322, 0.2512, 0.4243



63.4616, 0.2803, 0.3529



29.8392, 0.3145, 0.5885



13.9351, 0.2765, 0.3566



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.5322, 0.2512, 0.4243



54.6404, 0.2517, 0.4261



20.7770, 0.2067, 0.2639



9.0323, 0.3023, 0.3356



23.0250, 0.2509, 0.4233



0.6493, 0.2420, 0.3911

Inverse Universe

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



8.8808, 0.5795, 0.2966



15.8715, 0.5838, 0.2990



9.8149, 0.6168, 0.3484



8.0517, 0.3243, 0.3225



6.7021, 0.5770, 0.2952



0.1960, 0.4911, 0.2479

Previews

White Background



This preview shows how the Yxy color 30.5310, 0.2512, 0.4243 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.5310, 0.2512, 0.4243 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 ✓ Pass

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

Yxy 30.5310, 0.2512, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 30.5310, 0.2512, 0.4243.



This preview shows how white text looks on a background with the Yxy color 30.5310, 0.2512, 0.4243.

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

30.5310, 0.2512, 0.4243

Protanopia

30.1383, 0.3613, 0.3865

Deuteranopia

30.1630, 0.3588, 0.3530



Tritanopia

30.5951, 0.2295, 0.3066

Trichromacy



Original Color

30.5310, 0.2512, 0.4243



Protanomaly

28.1997, 0.2966, 0.4042



Deuteranomaly

27.8688, 0.2944, 0.3793



Tritanomaly

30.4468, 0.2351, 0.3469

Monochromacy



Original Color

30.5310, 0.2512, 0.4243



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

20.0288, 0.2679, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5310, 0.2512, 0.4243 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, 171, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 122)  
}
```

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, 171, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 122) }
```

Border

The CSS property to change the border of an element to Yxy 30.5310, 0.2512, 0.4243 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, 171, 122) }
```

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

```
.border{ border-color:rgb(0, 171, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5310, 0.2512, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 122) }
```

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

```
.background{ background-color: rgb(0, 171,  
122) }
```

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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