

Converting Colors

$Y_{xy}(30.3043, 0.2513, 0.4245)$

Have a look what the booklet for
Yxy(30.3043, 0.2513, 0.4245)
contains.

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Color

Yxy(30.1299, 0.2513, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	00AA79
RGB	0, 170, 121
RGB Percent	0%, 67%, 47%
CMY	1.0000, 0.3333, 0.5254
CMYK	1.00, 0.00, 0.29, 0.33
HSL	163°, 100%, 33%
HSV	163°, 100%, 67%
XYZ	17.8240, 30.1299, 22.9733
YIQ	113.5840, -85.5910, -51.2790

Conversions

Conversions Part 2

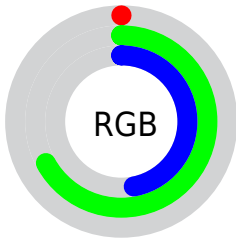
Format	Color
RYB	0, 99, 170
Decimal	43641
CIELab	61.77, -49.01, 15.01
CIELCh	62, 51.254, 162.966
Yxy	30.1299, 0.2513, 0.4248
Android (android.graphics.Color)	4278233721 (0xFF00AA79)
YUV	113.5840, 3.6561, -99.6132
Hunter-Lab	54.8907, -38.0965, 13.6089

Details

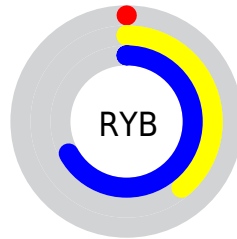
The Yxy color **30.1299, 0.2513, 0.4248** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.7684, 0.5789, 0.2963**, and the grayscale version is **16.7064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6852, 0.2649, 0.4037**, and **12.9587, 0.2591, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **30.1331, 0.2513, 0.4248**, and if you desaturate by 10%, it is **30.3756, 0.2504, 0.4141**.

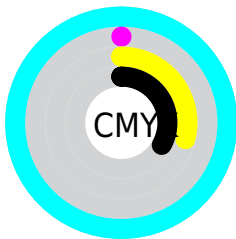
Distribution



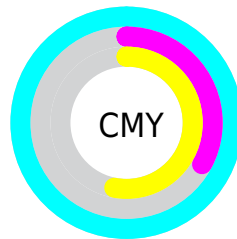
- Red (0%)
- Green (67%)
- Blue (47%)



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



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




- Cyan (100%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1299, 0.2513, 0.4248 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 30.1299, 0.2513, 0.4248 by changing the saturation by 10% instead.

 30.1299, 0.2513,
0.4248


 30.1299, 0.2513,
0.4248


 302.5095, 0.2854,
0.3707


 19.9372, 0.2415,
0.4408


 59.8675, 0.2646,
0.4034


 12.3494, 0.2281,
0.4631


 80.1813, 0.2693,
0.3959

 6.9821, 0.2086,
0.4961


 104.6375, 0.2732,
0.3898

 3.4509, 0.1783,
0.5493

 133.6206, 0.2764,
0.3847

 1.3714, 0.0234,
0.7697

 167.5149, 0.2792,
0.3803

 0.1955, 0.0000,
1.0000

 206.7049, 0.2816,

 0.0000, 0.0000,

0.3767

0.0000

251.5750, 0.2836,
0.3735

■ 30.1299, 0.2513,
0.4248

■ 30.1299, 0.2513,
0.4248

■ 30.1331, 0.2513,
0.4248

■ 30.3756, 0.2504,
0.4141

■ 30.7260, 0.2510,
0.4033

■ 31.2255, 0.2535,
0.3926

■ 31.8928, 0.2579,
0.3819

■ 32.7438, 0.2641,
0.3716

■ 33.7924, 0.2719,
0.3618

■ 35.0514, 0.2809,
0.3526

■ 36.5322, 0.2909,
0.3440

■ 38.2455, 0.3016,
0.3361

Harmonies

Analogous

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



30.1299, 0.3269, 0.4785



30.1299, 0.2513, 0.4248



30.1299, 0.1966, 0.3356

Triad

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



30.1299, 0.2513, 0.4248



30.1299, 0.2161, 0.2055



30.1299, 0.4757, 0.3641

Complementary

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



30.1299, 0.2513, 0.4248



8.7684, 0.5789, 0.2963

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.



30.1299, 0.4404, 0.3055



30.1299, 0.2513, 0.4248



30.1299, 0.2805, 0.2192

Square

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



30.1299, 0.2513, 0.4248



30.1299, 0.1801, 0.2174



30.1299, 0.3643, 0.2546



30.1299, 0.4589, 0.4233

Rectangle

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



30.1299, 0.2513, 0.4248



30.1299, 0.1774, 0.2818



30.1299, 0.3643, 0.2546



30.1299, 0.4698, 0.3441

Sweetspot

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



30.1331, 0.2513, 0.4248



63.4570, 0.2804, 0.3530



29.4559, 0.3145, 0.5885



13.9339, 0.2766, 0.3568



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.



30.1331, 0.2513, 0.4248



54.6292, 0.2519, 0.4267



20.5124, 0.2067, 0.2639



8.4947, 0.3024, 0.3356



22.1743, 0.2510, 0.4236



0.5477, 0.2412, 0.3885

Inverse Universe

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



8.7684, 0.5789, 0.2963



15.8751, 0.5833, 0.2987



9.6909, 0.6168, 0.3485



7.5765, 0.3242, 0.3225



6.4582, 0.5761, 0.2947



0.1658, 0.4850, 0.2445

Previews

White Background



This preview shows how the Yxy color 30.1299, 0.2513, 0.4248 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 30.1299, 0.2513, 0.4248 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 30.1299, 0.2513, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 30.1299, 0.2513, 0.4248.



This preview shows how white text looks on a background with the Yxy color 30.1299, 0.2513, 0.4248.

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

30.1299, 0.2513, 0.4248

Protanopia

29.6984, 0.3616, 0.3869

Deuteranopia

29.7233, 0.3591, 0.3531



Tritanopia

30.1988, 0.2296, 0.3065

Trichromacy



Original Color

30.1299, 0.2513, 0.4248



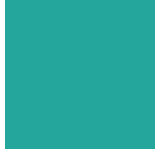
Protanomaly

27.7814, 0.2965, 0.4047



Deuteranomaly

27.4513, 0.2943, 0.3796



Tritanomaly

30.0478, 0.2352, 0.3470

Monochromacy



Original Color

30.1299, 0.2513, 0.4248



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.7510, 0.2677, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1299, 0.2513, 0.4248 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, 170, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 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, 170, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 121) }
```

Border

The CSS property to change the border of an element to Yxy 30.1299, 0.2513, 0.4248 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, 170, 121) }
```

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

```
.border{ border-color:rgb(0, 170, 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, 170, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1299, 0.2513, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 121) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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