

Converting Colors

$Y_{xy}(30.6376, 0.2487, 0.4153)$

Have a look what the booklet for
Yxy(30.6376, 0.2487, 0.4153)
contains.

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Color

Yxy(30.6322, 0.2489, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	00AB7E
RGB	0, 171, 126
RGB Percent	0%, 67%, 49%
CMY	0.9987, 0.3294, 0.5058
CMYK	1.00, 0.00, 0.26, 0.33
HSL	164°, 100%, 34%
HSV	164°, 100%, 67%
XYZ	18.3322, 30.6322, 24.6884
YIQ	114.7410, -87.4710, -50.2470

Conversions

Conversions Part 2

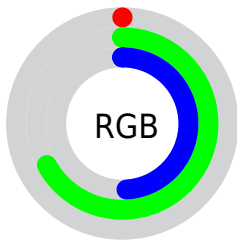
Format	Color
RYB	0, 98, 171
Decimal	43902
CIELab	62.20, -48.16, 12.86
CIELCh	62, 49.852, 165.047
Yxy	30.6322, 0.2489, 0.4159
Android (android.graphics.Color)	4278233982 (0xFF00AB7E)
YUV	114.7410, 5.5507, -100.6279
Hunter-Lab	55.3464, -37.7322, 12.2949

Details

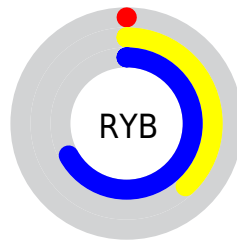
The Yxy color **30.6322, 0.2489, 0.4159** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.8564, 0.5867, 0.3008**, and the grayscale version is **17.0952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4682, 0.2621, 0.3960**, and **13.2584, 0.2556, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **30.6291, 0.2489, 0.4161**, and if you desaturate by 10%, it is **30.8734, 0.2482, 0.4062**.

Distribution



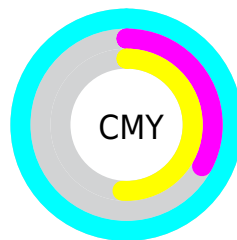
- Red (0%)
- Green (67%)
- Blue (49%)



- Red (0%)
- Yellow (38%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6322, 0.2489, 0.4159 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 30.6322, 0.2489, 0.4159 by changing the saturation by 10% instead.


 30.6322, 0.2489,
0.4159


 30.6322, 0.2489,
0.4159


304.8403, 0.2839,
0.3672

 20.3189, 0.2390,
0.4301


 60.6605, 0.2625,
0.3967


 12.6271, 0.2256,
0.4499


 81.1444, 0.2673,
0.3900


 7.1723, 0.2063,
0.4789


 105.7873, 0.2713,
0.3845

 3.5701, 0.1768,
0.5253

 134.9735, 0.2746,
0.3799

 1.4361, 0.0509,
0.6792

 169.0875, 0.2775,
0.3760

 0.2431, 0.0000,
1.0000

 208.5138, 0.2799,

 0.0000, 0.0000,

0.3726

0.0000

253.6365, 0.2821,
0.3697

■ 30.6322, 0.2489,
0.4159

■ 30.6322, 0.2489,
0.4159

■ 30.6291, 0.2489,
0.4161

■ 30.8734, 0.2482,
0.4062

■ 31.2237, 0.2490,
0.3964

■ 31.7244, 0.2518,
0.3867

■ 32.3946, 0.2564,
0.3770

■ 33.2501, 0.2629,
0.3677

■ 34.3053, 0.2709,
0.3588

■ 35.5728, 0.2801,
0.3504

■ 37.0643, 0.2904,
0.3425

■ 38.7906, 0.3015,
0.3354

Harmonies

Analogous

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



30.6322, 0.3216, 0.4714



30.6322, 0.2489, 0.4159



30.6322, 0.1974, 0.3298

Triad

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



30.6322, 0.2489, 0.4159



30.6322, 0.2224, 0.2090



30.6322, 0.4710, 0.3678

Complementary

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



30.6322, 0.2489, 0.4159



8.8564, 0.5867, 0.3008

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.



30.6322, 0.4402, 0.3103



30.6322, 0.2489, 0.4159



30.6322, 0.2869, 0.2239

Square

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



30.6322, 0.2489, 0.4159



30.6322, 0.1851, 0.2189



30.6322, 0.3685, 0.2597



30.6322, 0.4520, 0.4251

Rectangle

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



30.6322, 0.2489, 0.4159



30.6322, 0.1800, 0.2789



30.6322, 0.3685, 0.2597



30.6322, 0.4664, 0.3483

Sweetspot

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



30.6334, 0.2489, 0.4159



63.5351, 0.2794, 0.3509



29.7024, 0.3118, 0.5905



13.9534, 0.2755, 0.3543



86.8899, 0.3127, 0.3290



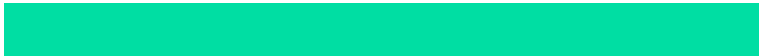
16.2647, 0.3127, 0.3290

Same Dimension

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



30.6334, 0.2489, 0.4159



54.8207, 0.2494, 0.4177



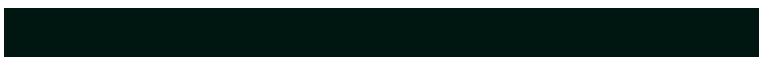
19.2214, 0.2035, 0.2525



9.0355, 0.3020, 0.3350



23.0998, 0.2487, 0.4151



0.6510, 0.2405, 0.3858

Inverse Universe

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



8.8564, 0.5867, 0.3008



15.8163, 0.5915, 0.3032



10.1858, 0.6098, 0.3537



8.0487, 0.3246, 0.3230



6.6777, 0.5848, 0.2995



0.1948, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 30.6322, 0.2489, 0.4159 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 30.6322, 0.2489, 0.4159 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 30.6322, 0.2489, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 30.6322, 0.2489, 0.4159.



This preview shows how white text looks on a background with the Yxy color 30.6322, 0.2489, 0.4159.

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

30.6322, 0.2489, 0.4159

Protanopia

30.1268, 0.3561, 0.3805

Deuteranopia

30.1585, 0.3534, 0.3470



Tritanopia

30.6060, 0.2286, 0.3049

Trichromacy



Original Color

30.6322, 0.2489, 0.4159



Protanomaly

28.2367, 0.2924, 0.3967



Deuteranomaly

27.9111, 0.2901, 0.3720



Tritanomaly

30.5157, 0.2340, 0.3432

Monochromacy



Original Color

30.6322, 0.2489, 0.4159



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.0763, 0.2662, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6322, 0.2489, 0.4159 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 126) }
```

Border

The CSS property to change the border of an element to Yxy 30.6322, 0.2489, 0.4159 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, 126) }
```

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

```
.border{ border-color:rgb(0, 171, 126) }
```

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, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6322, 0.2489, 0.4159 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, 126) }
```

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

```
.background{ background-color: rgb(0, 171,  
126) }
```

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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