

Converting Colors

$Yxy(30.2367, 0.2048, 0.4232)$

Have a look what the booklet for
Yxy(30.2367, 0.2048, 0.4232)
contains.

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Color

Yxy(32.6894, 0.2482, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	00B083
RGB	0, 176, 131
RGB Percent	0%, 69%, 51%
CMY	0.9999, 0.3098, 0.4863
CMYK	1.00, 0.00, 0.26, 0.31
HSL	165°, 100%, 35%
HSV	165°, 100%, 69%
XYZ	19.6215, 32.6894, 26.7444
YIQ	118.2460, -90.4510, -51.3070

Conversions

Conversions Part 2

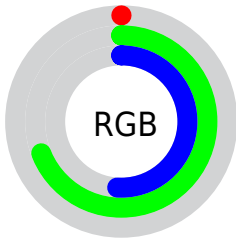
Format	Color
RYB	0, 101, 176
Decimal	45187
CIELab	63.91, -48.93, 12.52
CIELCh	64, 50.503, 165.646
Yxy	32.6894, 0.2482, 0.4135
Android (android.graphics.Color)	4278235267 (0xFF00B083)
YUV	118.2460, 6.2877, -103.7017
Hunter-Lab	57.1746, -38.7969, 12.2883

Details

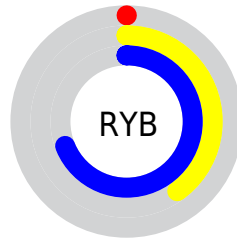
The Yxy color **32.6894, 0.2482, 0.4135** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.4207, 0.5903, 0.3026**, and the grayscale version is **18.2014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1182, 0.2617, 0.3958**, and **14.5283, 0.2543, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **32.6904, 0.2482, 0.4135**, and if you desaturate by 10%, it is **32.9403, 0.2475, 0.4041**.

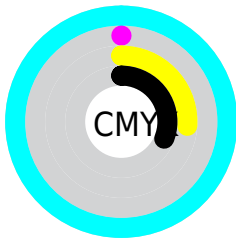
Distribution



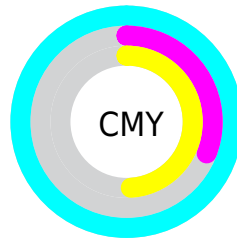
- Red (0%)
- Green (69%)
- Blue (51%)



- Red (0%)
- Yellow (40%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6894, 0.2482, 0.4135 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 32.6894, 0.2482, 0.4135 by changing the saturation by 10% instead.


 32.6894, 0.2482,
0.4135


 32.6894, 0.2482,
0.4135


314.2478, 0.2832,
0.3666

 21.8886, 0.2385,
0.4270


 63.8903, 0.2616,
0.3952


 13.7751, 0.2254,
0.4454


 85.0592, 0.2664,
0.3888


 7.9644, 0.2070,
0.4722


 110.4529, 0.2704,
0.3834

 4.0722, 0.1791,
0.5143

 140.4559, 0.2738,
0.3790

 1.7140, 0.0967,
0.6156

 175.4525, 0.2767,
0.3752

 0.4327, 0.0000,
1.0000

 215.8270, 0.2791,

 0.0000, 0.0000,

0.3719

0.0000

261.9640, 0.2813,
0.3691

■ 32.6894, 0.2482,
0.4135

■ 32.6894, 0.2482,
0.4135

■ 32.6904, 0.2482,
0.4135

■ 32.9403, 0.2475,
0.4041

■ 33.3066, 0.2483,
0.3946

■ 33.8330, 0.2511,
0.3852

■ 34.5398, 0.2558,
0.3758

■ 35.4444, 0.2622,
0.3667

■ 36.5620, 0.2703,
0.3581

■ 37.9062, 0.2796,
0.3499

■ 39.4897, 0.2900,
0.3423

■ 41.3240, 0.3011,
0.3353

Harmonies

Analogous

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



32.6894, 0.3201, 0.4695



32.6894, 0.2482, 0.4135



32.6894, 0.1976, 0.3282

Triad

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



32.6894, 0.2482, 0.4135



32.6894, 0.2241, 0.2099



32.6894, 0.4698, 0.3688

Complementary

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



32.6894, 0.2482, 0.4135



9.4207, 0.5903, 0.3026

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.



32.6894, 0.4401, 0.3116



32.6894, 0.2482, 0.4135



32.6894, 0.2887, 0.2252

Square

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



32.6894, 0.2482, 0.4135



32.6894, 0.1865, 0.2193



32.6894, 0.3697, 0.2611



32.6894, 0.4502, 0.4255

Rectangle

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



32.6894, 0.2482, 0.4135



32.6894, 0.1806, 0.2781



32.6894, 0.3697, 0.2611



32.6894, 0.4656, 0.3494

Sweetspot

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



32.6907, 0.2482, 0.4135



68.6044, 0.2791, 0.3503



31.6553, 0.3116, 0.5908



14.6415, 0.2751, 0.3536



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.6907, 0.2482, 0.4135



59.2483, 0.2486, 0.4151



20.4464, 0.2034, 0.2521



9.5937, 0.3019, 0.3349



23.9943, 0.2479, 0.4125



0.7638, 0.2407, 0.3863

Inverse Universe

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



9.4207, 0.5903, 0.3026



17.0531, 0.5944, 0.3048



10.8223, 0.6106, 0.3534



8.5398, 0.3248, 0.3232



6.9197, 0.5877, 0.3011



0.2274, 0.5080, 0.2572

Previews

White Background



This preview shows how the Yxy color 32.6894, 0.2482, 0.4135 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 32.6894, 0.2482, 0.4135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

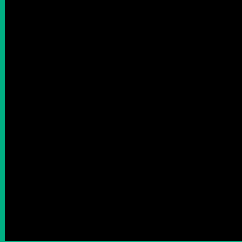
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6894, 0.2482, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 32.6894, 0.2482, 0.4135.



This preview shows how white text looks on a background with the Yxy color 32.6894, 0.2482, 0.4135.

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

32.6894, 0.2482, 0.4135

Protanopia

32.3598, 0.3558, 0.3805

Deuteranopia

32.0999, 0.3524, 0.3451



Tritanopia

32.6647, 0.2285, 0.3055

Trichromacy



Original Color

32.6894, 0.2482, 0.4135



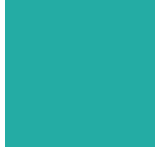
Protanomaly

30.2390, 0.2921, 0.3966



Deuteranomaly

29.5825, 0.2889, 0.3691



Tritanomaly

32.5605, 0.2335, 0.3428

Monochromacy



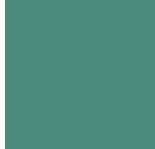
Original Color

32.6894, 0.2482, 0.4135



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.3912, 0.2656, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6894, 0.2482, 0.4135 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, 176, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 131)  
}
```

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, 176, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 131) }
```

Border

The CSS property to change the border of an element to Yxy 32.6894, 0.2482, 0.4135 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, 176, 131) }
```

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

```
.border{ border-color:rgb(0, 176, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6894, 0.2482, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 131) }
```

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

```
.background{ background-color: rgb(0, 176,  
131) }
```

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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