

Converting Colors

$Yxy(31.9913, 0.2364, 0.4125)$

Have a look what the booklet for
Yxy(31.9913, 0.2364, 0.4125)
contains.

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Color

Yxy(32.7441, 0.2471, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	00B085
RGB	0, 176, 133
RGB Percent	0%, 69%, 52%
CMY	0.9984, 0.3098, 0.4784
CMYK	1.00, 0.00, 0.24, 0.31
HSL	165°, 100%, 35%
HSV	165°, 100%, 69%
XYZ	19.7632, 32.7441, 27.4734
YIQ	118.4740, -91.0930, -50.6850

Conversions

Conversions Part 2

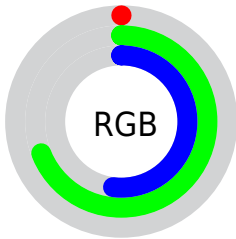
Format	Color
RYB	0, 100, 176
Decimal	45189
CIELab	63.95, -48.41, 11.47
CIELCh	64, 49.749, 166.671
Yxy	32.7441, 0.2471, 0.4094
Android (android.graphics.Color)	4278235269 (0xFF00B085)
YUV	118.4740, 7.1613, -103.9017
Hunter-Lab	57.2225, -38.4898, 11.5897

Details

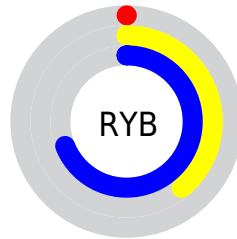
The Yxy color **32.7441, 0.2471, 0.4094** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.4156, 0.5931, 0.3043**, and the grayscale version is **18.3114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2027, 0.2608, 0.3929**, and **14.5436, 0.2536, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **32.7400, 0.2471, 0.4096**, and if you desaturate by 10%, it is **32.9930, 0.2465, 0.4004**.

Distribution



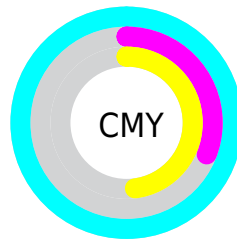
- Red (0%)
- Green (69%)
- Blue (52%)



- Red (0%)
- Yellow (39%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7441, 0.2471, 0.4094 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 32.7441, 0.2471, 0.4094 by changing the saturation by 10% instead.


 32.7441, 0.2471,
0.4094


 32.7441, 0.2471,
0.4094


 314.4951, 0.2825,
0.3649


 21.9305, 0.2373,
0.4221


 63.9758, 0.2606,
0.3921

 13.8058, 0.2242,
0.4395


 85.1627, 0.2655,
0.3860


 7.9857, 0.2057,
0.4647


 110.5761, 0.2696,
0.3809

 4.0858, 0.1780,
0.5041

 140.6004, 0.2730,
0.3767

 1.7217, 0.0992,
0.5961

 175.6201, 0.2759,
0.3731

 0.4376, 0.0000,
1.0000

 216.0195, 0.2784,

 0.0000, 0.0000,

0.3700

0.0000

262.1830, 0.2806,
0.3673

■ 32.7441, 0.2471,
0.4094

■ 32.7441, 0.2471,
0.4094

■ 32.7400, 0.2471,
0.4096

■ 32.9930, 0.2465,
0.4004

■ 33.3588, 0.2475,
0.3914

■ 33.8847, 0.2504,
0.3824

■ 34.5910, 0.2552,
0.3735

■ 35.4949, 0.2618,
0.3649

■ 36.6116, 0.2699,
0.3566

■ 37.9548, 0.2794,
0.3488

■ 39.5370, 0.2899,
0.3416

■ 41.3698, 0.3012,
0.3349

Harmonies

Analogous

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



32.7441, 0.3177, 0.4662



32.7441, 0.2471, 0.4094



32.7441, 0.1980, 0.3256

Triad

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



32.7441, 0.2471, 0.4094



32.7441, 0.2271, 0.2115



32.7441, 0.4676, 0.3706

Complementary

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



32.7441, 0.2471, 0.4094



9.4156, 0.5931, 0.3043

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.



32.7441, 0.4400, 0.3138



32.7441, 0.2471, 0.4094



32.7441, 0.2917, 0.2274

Square

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



32.7441, 0.2471, 0.4094



32.7441, 0.1889, 0.2200



32.7441, 0.3716, 0.2636



32.7441, 0.4470, 0.4263

Rectangle

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



32.7441, 0.2471, 0.4094



32.7441, 0.1819, 0.2768



32.7441, 0.3716, 0.2636



32.7441, 0.4639, 0.3514

Sweetspot

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



32.7454, 0.2471, 0.4094



68.6427, 0.2787, 0.3494



31.5920, 0.3104, 0.5915



14.6507, 0.2747, 0.3525



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.



32.7454, 0.2471, 0.4094



59.3454, 0.2475, 0.4111



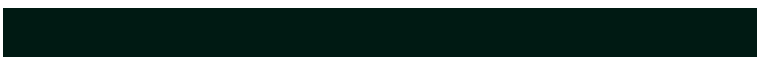
19.6661, 0.2018, 0.2465



9.5953, 0.3017, 0.3346



24.0329, 0.2469, 0.4087



0.7647, 0.2399, 0.3837

Inverse Universe

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



9.4156, 0.5931, 0.3043



17.0277, 0.5978, 0.3067



11.0544, 0.6065, 0.3563



8.5383, 0.3250, 0.3234



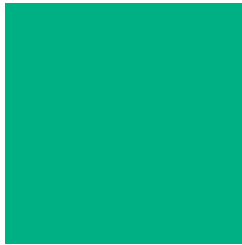
6.9087, 0.5912, 0.3030



0.2268, 0.5122, 0.2595

Previews

White Background



This preview shows how the Yxy color 32.7441, 0.2471, 0.4094 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 32.7441, 0.2471, 0.4094 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 32.7441, 0.2471, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 32.7441, 0.2471, 0.4094.

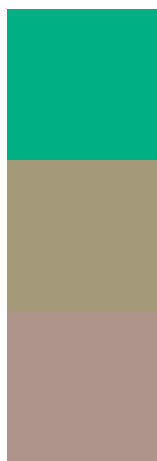


This preview shows how white text looks on a background with the Yxy color 32.7441, 0.2471, 0.4094.

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

32.7441, 0.2471, 0.4094

Protanopia

32.4089, 0.3538, 0.3775

Deuteranopia

32.0426, 0.3493, 0.3422



Tritanopia

32.6356, 0.2281, 0.3055

Trichromacy



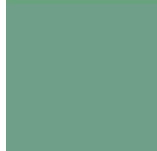
Original Color

32.7441, 0.2471, 0.4094



Protanomaly

30.3503, 0.2913, 0.3928



Deuteranomaly

29.6394, 0.2873, 0.3655



Tritanomaly

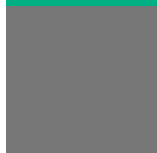
32.5967, 0.2330, 0.3410

Monochromacy



Original Color

32.7441, 0.2471, 0.4094



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.7479, 0.2659, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7441, 0.2471, 0.4094 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 133) }
```

Border

The CSS property to change the border of an element to Yxy 32.7441, 0.2471, 0.4094 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, 133) }
```

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

```
.border{ border-color:rgb(0, 176, 133) }
```

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, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7441, 0.2471, 0.4094 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, 133) }
```

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

```
.background{ background-color: rgb(0, 176,  
133) }
```

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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