

Converting Colors

$Y_{xy}(29.9361, 0.2008, 0.4461)$

Have a look what the booklet for
Yxy(29.9361, 0.2008, 0.4461)
contains.

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Color

Yxy(32.8743, 0.2531, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	00B17B
RGB	0, 177, 123
RGB Percent	0%, 69%, 48%
CMY	1.0000, 0.3059, 0.5176
CMYK	1.00, 0.00, 0.31, 0.31
HSL	162°, 100%, 35%
HSV	162°, 100%, 69%
XYZ	19.2961, 32.8743, 24.0687
YIQ	117.9210, -88.1580, -54.3180

Conversions

Conversions Part 2

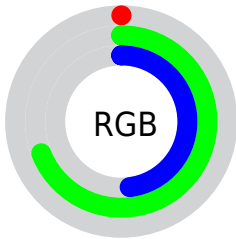
Format	Color
RYB	0, 104, 177
Decimal	45435
CIELab	64.06, -51.22, 17.10
CIELCh	64, 53.998, 161.533
Yxy	32.8743, 0.2531, 0.4312
Android (android.graphics.Color)	4278235515 (0xFF00B17B)
YUV	117.9210, 2.5039, -103.4167
Hunter-Lab	57.3361, -40.2651, 15.2464

Details

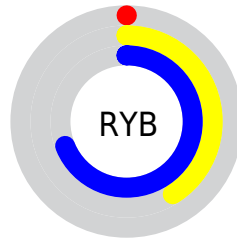
The Yxy color **32.8743, 0.2531, 0.4312** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.6140, 0.5737, 0.2934**, and the grayscale version is **18.1044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3599, 0.2658, 0.4086**, and **14.6603, 0.2612, 0.4603** is the 20% darker color. If you saturate the color by 10%, you get **32.8765, 0.2531, 0.4312**, and if you desaturate by 10%, it is **33.1412, 0.2520, 0.4198**.

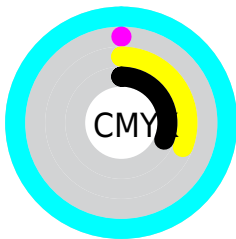
Distribution



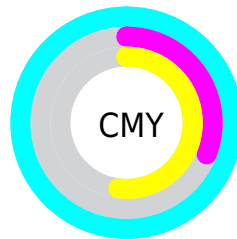
- Red (0%)
- Green (69%)
- Blue (48%)



- Red (0%)
- Yellow (41%)
- Blue (69%)



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





- Cyan (100%)
- Magenta (31%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8743, 0.2531, 0.4312 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 32.8743, 0.2531, 0.4312 by changing the saturation by 10% instead.


 32.8743, 0.2531,
0.4312


 32.8743, 0.2531,
0.4312


315.0829, 0.2860,
0.3740


 22.0302, 0.2437,
0.4478


 64.1792, 0.2659,
0.4087


 13.8791, 0.2310,
0.4708


 85.4088, 0.2704,
0.4008


 8.0366, 0.2126,
0.5043


 110.8690, 0.2742,
0.3943

 4.1184, 0.1843,
0.5573

 140.9442, 0.2773,
0.3889

 1.7400, 0.0928,
0.7051

 176.0188, 0.2800,
0.3843

 0.4494, 0.0000,
1.0000

 216.4772, 0.2823,

 0.0000, 0.0000,

0.3804

0.0000

262.7038, 0.2843,
0.3770

■ 32.8743, 0.2531,
0.4312

■ 32.8743, 0.2531,
0.4312

■ 32.8765, 0.2531,
0.4312

■ 33.1412, 0.2520,
0.4198

■ 33.5264, 0.2523,
0.4083

■ 34.0760, 0.2547,
0.3968

■ 34.8105, 0.2590,
0.3854

■ 35.7477, 0.2650,
0.3744

■ 36.9031, 0.2726,
0.3639

■ 38.2905, 0.2815,
0.3541

■ 39.9228, 0.2913,
0.3449

■ 41.8117, 0.3018,
0.3366

Harmonies

Analogous

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



32.8743, 0.3307, 0.4833



32.8743, 0.2531, 0.4312



32.8743, 0.1961, 0.3399

Triad

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



32.8743, 0.2531, 0.4312



32.8743, 0.2117, 0.2031



32.8743, 0.4788, 0.3613

Complementary

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



32.8743, 0.2531, 0.4312



9.6140, 0.5737, 0.2934

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.



32.8743, 0.4404, 0.3020



32.8743, 0.2531, 0.4312



32.8743, 0.2760, 0.2159

Square

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



32.8743, 0.2531, 0.4312



32.8743, 0.1765, 0.2163



32.8743, 0.3612, 0.2509



32.8743, 0.4637, 0.4220

Rectangle

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



32.8743, 0.2531, 0.4312



32.8743, 0.1757, 0.2839



32.8743, 0.3612, 0.2509



32.8743, 0.4720, 0.3411

Sweetspot

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



32.8765, 0.2531, 0.4312



68.4350, 0.2810, 0.3546



32.2885, 0.3158, 0.5875



14.6005, 0.2772, 0.3585



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.



32.8765, 0.2531, 0.4312



58.8359, 0.2536, 0.4331



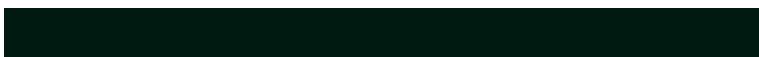
23.2893, 0.2082, 0.2695



9.5865, 0.3025, 0.3360



23.8298, 0.2528, 0.4299



0.7596, 0.2440, 0.3982

Inverse Universe

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



9.6140, 0.5737, 0.2934



17.1828, 0.5779, 0.2957



10.4052, 0.6202, 0.3458



8.5465, 0.3241, 0.3221



6.9749, 0.5708, 0.2918



0.2301, 0.4903, 0.2475

Previews

White Background



This preview shows how the Yxy color 32.8743, 0.2531, 0.4312 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 32.8743, 0.2531, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

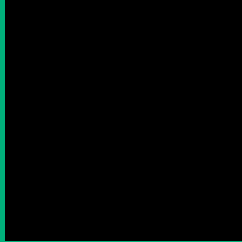
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8743, 0.2531, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 32.8743, 0.2531, 0.4312.



This preview shows how white text looks on a background with the Yxy color 32.8743, 0.2531, 0.4312.

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

32.8743, 0.2531, 0.4312

Protanopia

32.4104, 0.3648, 0.3907

Deuteranopia

32.2298, 0.3641, 0.3565



Tritanopia

32.7555, 0.2295, 0.3056

Trichromacy



Original Color

32.8743, 0.2531, 0.4312



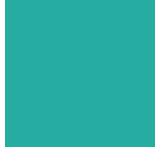
Protanomaly

30.1892, 0.2993, 0.4093



Deuteranomaly

29.8393, 0.2973, 0.3850



Tritanomaly

32.4903, 0.2356, 0.3482

Monochromacy



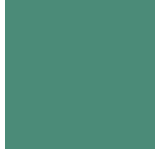
Original Color

32.8743, 0.2531, 0.4312



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.3172, 0.2681, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8743, 0.2531, 0.4312 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, 177, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 123)  
}
```

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, 177, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 123) }
```

Border

The CSS property to change the border of an element to Yxy 32.8743, 0.2531, 0.4312 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, 177, 123) }
```

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

```
.border{ border-color:rgb(0, 177, 123) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8743, 0.2531, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 123) }
```

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

```
.background{ background-color: rgb(0, 177,  
123) }
```

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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