

Converting Colors

$Y_{xy}(28.5761, 0.1809, 0.4170)$

Have a look what the booklet for
Yxy(28.5761, 0.1809, 0.4170)
contains.

Yxy(32.3812, 0.2461, 0.4059)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3812, 0.2461, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	00AF86
RGB	0, 175, 134
RGB Percent	0%, 69%, 53%
CMY	0.9995, 0.3137, 0.4746
CMYK	1.00, 0.00, 0.23, 0.31
HSL	166°, 100%, 34%
HSV	166°, 100%, 69%
XYZ	19.6329, 32.3812, 27.7622
YIQ	118.0010, -91.1390, -49.8510

Conversions

Conversions Part 2

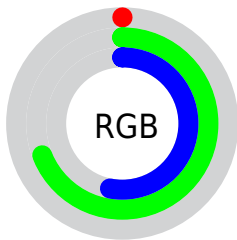
Format	Color
RYB	0, 99, 175
Decimal	44934
CIELab	63.66, -47.78, 10.52
CIELCh	64, 48.927, 167.587
Yxy	32.3812, 0.2461, 0.4059
Android (android.graphics.Color)	4278235014 (0xFF00AF86)
YUV	118.0010, 7.8875, -103.4869
Hunter-Lab	56.9045, -37.9975, 10.9072

Details

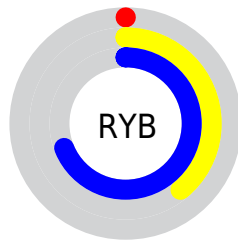
The Yxy color **32.3812, 0.2461, 0.4059** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.2782, 0.5966, 0.3061**, and the grayscale version is **18.1258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6808, 0.2601, 0.3902**, and **14.3148, 0.2522, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **32.3808, 0.2461, 0.4060**, and if you desaturate by 10%, it is **32.6235, 0.2456, 0.3974**.

Distribution



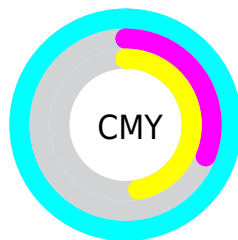
- Red (0%)
- Green (69%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3812, 0.2461, 0.4059 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 32.3812, 0.2461, 0.4059 by changing the saturation by 10% instead.


 32.3812, 0.2461,
0.4059


 32.3812, 0.2461,
0.4059


 312.8521, 0.2820,
0.3634

 21.6528, 0.2362,
0.4180


 63.4082, 0.2598,
0.3894

 13.6020, 0.2230,
0.4346


 84.4756, 0.2648,
0.3835


 7.8444, 0.2043,
0.4587


 109.7582, 0.2689,
0.3787

 3.9955, 0.1764,
0.4962

 139.6403, 0.2723,
0.3746

 1.6711, 0.0948,
0.5858

 174.5064, 0.2753,
0.3712

 0.4048, 0.0000,
1.0000

 214.7408, 0.2778,

 0.0000, 0.0000,

0.3682

0.0000

260.7279, 0.2801,
0.3657

■ 32.3812, 0.2461,
0.4059

■ 32.3812, 0.2461,
0.4059

■ 32.3808, 0.2461,
0.4060

■ 32.6235, 0.2456,
0.3974

■ 32.9793, 0.2467,
0.3888

■ 33.4924, 0.2496,
0.3801

■ 34.1829, 0.2545,
0.3717

■ 35.0677, 0.2611,
0.3634

■ 36.1619, 0.2693,
0.3555

■ 37.4790, 0.2789,
0.3481

■ 39.0313, 0.2895,
0.3411

■ 40.8303, 0.3009,
0.3348

Harmonies

Analogous

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



32.3812, 0.3155, 0.4633



32.3812, 0.2461, 0.4059



32.3812, 0.1983, 0.3233

Triad

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



32.3812, 0.2461, 0.4059



32.3812, 0.2297, 0.2129



32.3812, 0.4657, 0.3721

Complementary

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



32.3812, 0.2461, 0.4059



9.2782, 0.5966, 0.3061

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.



32.3812, 0.4399, 0.3158



32.3812, 0.2461, 0.4059



32.3812, 0.2943, 0.2293

Square

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



32.3812, 0.2461, 0.4059



32.3812, 0.1910, 0.2206



32.3812, 0.3733, 0.2657



32.3812, 0.4442, 0.4269

Rectangle

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



32.3812, 0.2461, 0.4059



32.3812, 0.1829, 0.2757



32.3812, 0.3733, 0.2657



32.3812, 0.4626, 0.3531

Sweetspot

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



32.3825, 0.2461, 0.4059



66.9700, 0.2783, 0.3485



31.1933, 0.3104, 0.5917



14.6594, 0.2742, 0.3515



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.



32.3825, 0.2461, 0.4059



57.9556, 0.2465, 0.4074



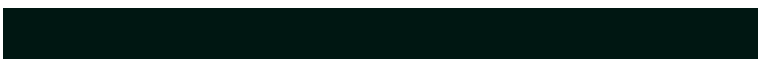
19.4052, 0.2018, 0.2464



9.0395, 0.3016, 0.3344



23.1980, 0.2458, 0.4050



0.6531, 0.2387, 0.3792

Inverse Universe

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



9.2782, 0.5966, 0.3061



16.5820, 0.6007, 0.3083



10.9046, 0.6069, 0.3562



8.0450, 0.3251, 0.3237



6.6499, 0.5940, 0.3046



0.1934, 0.5111, 0.2589

Previews

White Background



This preview shows how the Yxy color 32.3812, 0.2461, 0.4059 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 32.3812, 0.2461, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

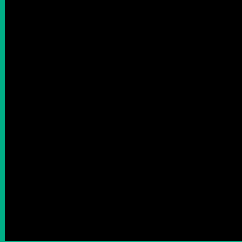
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3812, 0.2461, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 32.3812, 0.2461, 0.4059.



This preview shows how white text looks on a background with the Yxy color 32.3812, 0.2461, 0.4059.

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

32.3812, 0.2461, 0.4059

Protanopia

31.9991, 0.3521, 0.3747

Deuteranopia

31.9575, 0.3472, 0.3408



Tritanopia

32.5656, 0.2283, 0.3071

Trichromacy



Original Color

32.3812, 0.2461, 0.4059



Protanomaly

29.9651, 0.2896, 0.3895



Deuteranomaly

29.6037, 0.2856, 0.3638



Tritanomaly

32.1998, 0.2323, 0.3393

Monochromacy



Original Color

32.3812, 0.2461, 0.4059



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.4163, 0.2648, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3812, 0.2461, 0.4059 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, 175, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 134)  
}
```

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, 175, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 134) }
```

Border

The CSS property to change the border of an element to Yxy 32.3812, 0.2461, 0.4059 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, 175, 134) }
```

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

```
.border{ border-color:rgb(0, 175, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3812, 0.2461, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 134) }
```

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

```
.background{ background-color: rgb(0, 175,  
134) }
```

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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