

Converting Colors

$Y_{xy}(33.1837, 0.2459, 0.3806)$

Have a look what the booklet for
Yxy(33.1837, 0.2459, 0.3806)
contains.

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Color

Yxy(33.2067, 0.2460, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	29AF92
RGB	41, 175, 146
RGB Percent	16%, 69%, 57%
CMY	0.8397, 0.3137, 0.4274
CMYK	0.77, 0.00, 0.17, 0.31
HSL	167°, 62%, 42%
HSV	167°, 77%, 69%
XYZ	21.4293, 33.2067, 32.4750
YIQ	131.6280, -70.5550, -37.4270

Conversions

Conversions Part 2

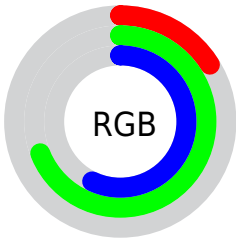
Format	Color
RYB	41, 116, 175
Decimal	2731922
CIELab	64.33, -41.92, 4.87
CIElCh	64, 42.206, 173.374
Yxy	33.2067, 0.2460, 0.3812
Android (android.graphics.Color)	4280922002 (0xFF29AF92)
YUV	131.6280, 7.0854, -79.4808
Hunter-Lab	57.6253, -34.4648, 6.9245




Details

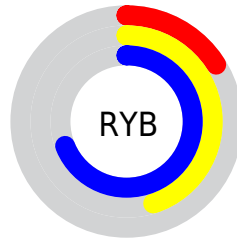
The Yxy color **33.2067, 0.2460, 0.3812** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.1339, 0.5205, 0.2961**, and the grayscale version is **22.9157, 0.3127, 0.3290**.




A 20% lighter version of the original color is **64.5101, 0.2591, 0.3699**, and **14.5193, 0.2427, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **32.8098, 0.2442, 0.3891**, and if you desaturate by 10%, it is **33.7699, 0.2497, 0.3734**.

Distribution







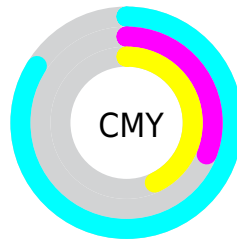
-  Red (16%)
-  Green (69%)
-  Blue (57%)






-  Red (16%)
-  Yellow (45%)
-  Blue (69%)



-  Cyan (77%)
-  Magenta (0%)
-  Yellow (17%)
-  Black (31%)





-  Cyan (84%)
-  Magenta (31%)
-  Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2067, 0.2460, 0.3812 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 33.2067, 0.2460, 0.3812 by changing the saturation by 10% instead.


 33.2067, 0.2460,
0.3812

 33.2067, 0.2460,
0.3812


316.5801, 0.2813,
0.3531

 22.2848, 0.2365,
0.3890

 64.6981, 0.2593,
0.3705


 14.0663, 0.2240,
0.3994


 86.0364, 0.2642,
0.3666

 8.1668, 0.2067,
0.4141


 111.6157, 0.2682,
0.3634

 4.2019, 0.1813,
0.4365

 141.8203, 0.2716,
0.3607

 1.7871, 0.1301,
0.4801

 177.0347, 0.2746,
0.3583

 0.4791, 0.0000,
0.7256

217.6432, 0.2771,

 0.0000, 0.0000,

0.3563

0.0000

264.0302, 0.2793,
0.3546

■ 33.2067, 0.2460,
0.3812

■ 33.2067, 0.2460,
0.3812

■ 32.8098, 0.2442,
0.3891

■ 33.7699, 0.2497,
0.3734

■ 32.5490, 0.2442,
0.3969

■ 34.5143, 0.2553,
0.3656

■ 32.4742, 0.2443,
0.3995

■ 35.4576, 0.2627,
0.3582

■ 36.6141, 0.2715,
0.3511

■ 37.9970, 0.2817,
0.3444

■ 39.6183, 0.2928,
0.3382

■ 41.4892, 0.3046,
0.3325

■ 43.6201, 0.3169,
0.3273

■ 46.0209, 0.3293,
0.3227

Harmonies

Analogous

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



33.2067, 0.3042, 0.4359



33.2067, 0.2460, 0.3812



33.2067, 0.2081, 0.3126

Triad

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



33.2067, 0.2460, 0.3812



33.2067, 0.2502, 0.2285



33.2067, 0.4440, 0.3784

Complementary

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



33.2067, 0.2460, 0.3812



11.1339, 0.5205, 0.2961

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.



33.2067, 0.4289, 0.3283



33.2067, 0.2460, 0.3812



33.2067, 0.3102, 0.2466

Square

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



33.2067, 0.2460, 0.3812



33.2067, 0.2110, 0.2316



33.2067, 0.3776, 0.2819



33.2067, 0.4199, 0.4237

Rectangle

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



33.2067, 0.2460, 0.3812



33.2067, 0.1974, 0.2743



33.2067, 0.3776, 0.2819



33.2067, 0.4435, 0.3617

Sweetspot

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



33.2080, 0.2460, 0.3812



68.9364, 0.2852, 0.3423



32.1229, 0.3163, 0.5567



15.1048, 0.2813, 0.3446



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.



33.2080, 0.2460, 0.3812



58.4099, 0.2440, 0.3945



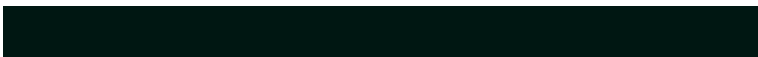
21.4581, 0.2124, 0.2591



9.0420, 0.3014, 0.3339



23.2625, 0.2441, 0.3986



0.6544, 0.2375, 0.3750

Inverse Universe

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



11.1339, 0.5205, 0.2961



17.1228, 0.5830, 0.3045



14.8501, 0.5273, 0.3753



8.0427, 0.3254, 0.3241



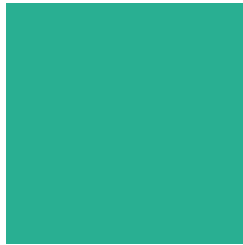
6.6340, 0.5995, 0.3076



0.1924, 0.5186, 0.2631

Previews

White Background



This preview shows how the Yxy color 33.2067, 0.2460, 0.3812 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 33.2067, 0.2460, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

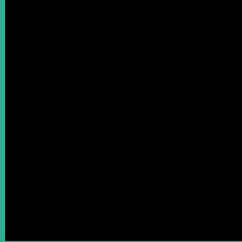
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2067, 0.2460, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 33.2067, 0.2460, 0.3812.

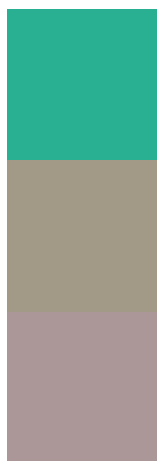


This preview shows how white text looks on a background with the Yxy color 33.2067, 0.2460, 0.3812.

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

33.2067, 0.2460, 0.3812

Protanopia

32.5419, 0.3390, 0.3578

Deuteranopia

32.7376, 0.3324, 0.3262



Tritanopia

33.2669, 0.2305, 0.3058

Trichromacy



Original Color

33.2067, 0.2460, 0.3812

Protanomaly

31.5563, 0.2920, 0.3678

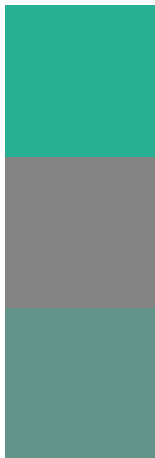
Deuteranomaly

31.2834, 0.2881, 0.3437

Tritanomaly

33.2196, 0.2358, 0.3322

Monochromacy



Original Color

33.2067, 0.2460, 0.3812

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

25.6386, 0.2758, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2067, 0.2460, 0.3812 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(41, 175, 146)` looks like.

```
.text, #text, p{  
    color:rgb(41, 175, 146)  
}
```

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(41, 175, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 175, 146) }
```

Border

The CSS property to change the border of an element to Yxy 33.2067, 0.2460, 0.3812 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(41, 175, 146) }
```

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

```
.border{ border-color:rgb(41, 175, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 175, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 175, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 175, 146);  
box-shadow:4px 4px 4px 4px rgb(41, 175,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2067, 0.2460, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 175, 146) }
```

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

```
.background{ background-color: rgb(41, 175,  
146) }
```

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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