

Converting Colors

$Yxy(33.0296, 0.2388, 0.3511)$

Have a look what the booklet for
Yxy(33.0296, 0.2388, 0.3511)
contains.

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Color

Yxy(33.0295, 0.2391, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	2FADA0
RGB	47, 173, 160
RGB Percent	18%, 68%, 63%
CMY	0.8156, 0.3216, 0.3725
CMYK	0.73, 0.00, 0.08, 0.32
HSL	174°, 57%, 43%
HSV	174°, 73%, 68%
XYZ	22.4612, 33.0295, 38.4499
YIQ	133.8440, -70.9230, -30.7550

Conversions

Conversions Part 2

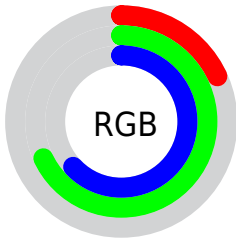
Format	Color
R _Y B	47, 113, 173
Decimal	3124640
CIE Lab	64.18, -36.50, -3.12
CIE LCh	64, 36.631, 184.879
Yxy	33.0295, 0.2391, 0.3516
Android (android.graphics.Color)	4281314720 (0xFF2FADA0)
YUV	133.8440, 12.8949, -76.1622
Hunter-Lab	57.4713, -30.8126, 0.5633

Details

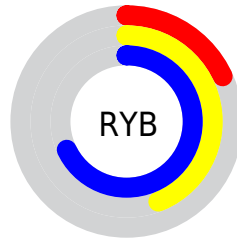
The Yxy color **33.0295, 0.2391, 0.3516** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.2446, 0.5333, 0.3145**, and the grayscale version is **23.7527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3897, 0.2531, 0.3469**, and **14.5371, 0.2323, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **32.6358, 0.2357, 0.3551**, and if you desaturate by 10%, it is **33.5895, 0.2444, 0.3481**.

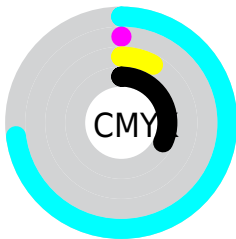
Distribution



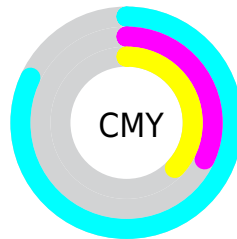
- Red (18%)
- Green (68%)
- Blue (63%)



- Red (18%)
- Yellow (44%)
- Blue (68%)



- Cyan (73%)
- Magenta (0%)
- Yellow (8%)
- Black (32%)





- Cyan (82%)
- Magenta (32%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0295, 0.2391, 0.3516 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 33.0295, 0.2391, 0.3516 by changing the saturation by 10% instead.


 33.0295, 0.2391,
0.3516


 33.0295, 0.2391,
0.3516


315.7826, 0.2774,
0.3402

 22.1490, 0.2291,
0.3544


 64.4216, 0.2534,
0.3475

 13.9665, 0.2159,
0.3580


 85.7020, 0.2586,
0.3459

 8.0973, 0.1981,
0.3628


 111.2179, 0.2631,
0.3446

 4.1573, 0.1725,
0.3690

 141.3536, 0.2668,
0.3435

 1.7619, 0.1294,
0.3791

 176.4935, 0.2700,
0.3425

 0.4633, 0.0000,
0.3908

217.0221, 0.2728,

 0.0000, 0.0000,

0.3416

0.0000

263.3236, 0.2753,
0.3409

■ 33.0295, 0.2391,
0.3516

■ 33.0295, 0.2391,
0.3516

■ 32.6358, 0.2357,
0.3551

■ 33.5895, 0.2444,
0.3481

■ 32.3842, 0.2341,
0.3586

■ 34.3294, 0.2515,
0.3446

■ 32.2597, 0.2336,
0.3611

■ 35.2653, 0.2604,
0.3413

■ 36.4108, 0.2708,
0.3381

■ 37.7781, 0.2825,
0.3351

■ 39.3786, 0.2953,
0.3323

■ 41.2228, 0.3088,
0.3297

■ 43.3206, 0.3228,
0.3273

■ 45.6814, 0.3370,
0.3252

Harmonies

Analogous

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



33.0295, 0.2851, 0.4059



33.0295, 0.2391, 0.3516



33.0295, 0.2137, 0.2953

Triad

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



33.0295, 0.2391, 0.3516



33.0295, 0.2767, 0.2440



33.0295, 0.4232, 0.3902

Complementary

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



33.0295, 0.2391, 0.3516



11.2446, 0.5333, 0.3145

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.



33.0295, 0.4230, 0.3465



33.0295, 0.2391, 0.3516



33.0295, 0.3336, 0.2666

Square

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



33.0295, 0.2391, 0.3516



33.0295, 0.2339, 0.2395



33.0295, 0.3891, 0.3029



33.0295, 0.3921, 0.4239

Rectangle

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



33.0295, 0.2391, 0.3516



33.0295, 0.2100, 0.2668



33.0295, 0.3891, 0.3029



33.0295, 0.4270, 0.3762

Sweetspot

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



33.0308, 0.2391, 0.3516



67.7749, 0.2831, 0.3349



31.1081, 0.3095, 0.5524



14.5810, 0.2799, 0.3357



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.0308, 0.2391, 0.3516



58.1623, 0.2346, 0.3571



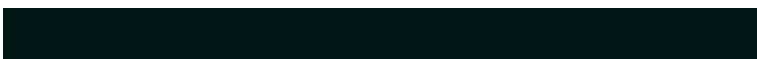
18.2145, 0.2095, 0.2383



9.0576, 0.3000, 0.3313



23.7038, 0.2335, 0.3607



0.6634, 0.2306, 0.3501

Inverse Universe

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



11.2446, 0.5333, 0.3145



17.0229, 0.5964, 0.3185



17.3296, 0.4961, 0.3931



8.0283, 0.3271, 0.3267



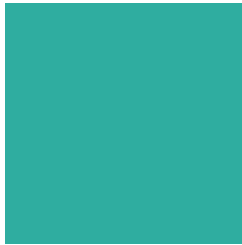
6.5628, 0.6256, 0.3220



0.1868, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 33.0295, 0.2391, 0.3516 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 33.0295, 0.2391, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

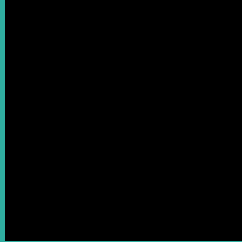
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0295, 0.2391, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 33.0295, 0.2391, 0.3516.

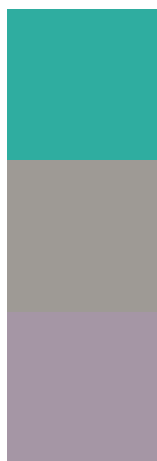


This preview shows how white text looks on a background with the Yxy color 33.0295, 0.2391, 0.3516.

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

33.0295, 0.2391, 0.3516

Protanopia

32.5502, 0.3214, 0.3366

Deuteranopia

32.5286, 0.3137, 0.3073



Tritanopia

33.1604, 0.2303, 0.3073

Trichromacy



Original Color

33.0295, 0.2391, 0.3516



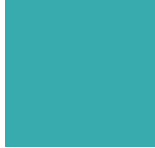
Protanomaly

31.6412, 0.2808, 0.3421



Deuteranomaly

31.2356, 0.2759, 0.3208



Tritanomaly

33.0617, 0.2331, 0.3220

Monochromacy



Original Color

33.0295, 0.2391, 0.3516



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

25.9878, 0.2734, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0295, 0.2391, 0.3516 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(47, 173, 160)` looks like.

```
.text, #text, p{  
  color:rgb(47, 173, 160)  
}
```

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(47, 173, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 173, 160) }
```

Border

The CSS property to change the border of an element to Yxy 33.0295, 0.2391, 0.3516 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(47, 173, 160) }
```

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

```
.border{ border-color:rgb(47, 173, 160) }
```

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

Here you see how a box with a 4 pixel rgb(47, 173, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 173, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 173, 160);  
box-shadow:4px 4px 4px 4px rgb(47, 173,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0295, 0.2391, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 173, 160) }
```

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

```
.background{ background-color: rgb(47, 173,  
160) }
```

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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