

Converting Colors

$Y_{xy}(33.8292, 0.2860, 0.3361)$

Have a look what the booklet for
Yxy(33.8292, 0.2860, 0.3361)
contains.

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Color

Yxy(33.7999, 0.2864, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	82A49F
RGB	130, 164, 159
RGB Percent	51%, 64%, 62%
CMY	0.4901, 0.3569, 0.3764
CMYK	0.21, 0.00, 0.03, 0.36
HSL	171°, 16%, 58%
HSV	171°, 21%, 64%
XYZ	28.7420, 33.7999, 37.8141
YIQ	153.2640, -18.6590, -8.7630

Conversions

Conversions Part 2

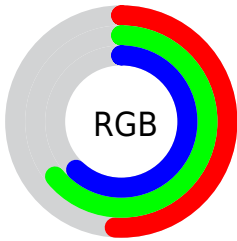
Format	Color
RYB	130, 148, 164
Decimal	8561823
CIELab	64.80, -12.68, -1.27
CIELCh	65, 12.748, 185.696
Yxy	33.7999, 0.2864, 0.3368
Android (android.graphics.Color)	4286751903 (0xFF82A49F)
YUV	153.2640, 2.8278, -20.4025
Hunter-Lab	58.1377, -13.4946, 2.1327

Details

The Yxy color **33.7999, 0.2864, 0.3368** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.6121, 0.3472, 0.3214**, and the grayscale version is **31.9720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5854, 0.2910, 0.3349**, and **14.3765, 0.2777, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **32.5231, 0.2749, 0.3411**, and if you desaturate by 10%, it is **35.2878, 0.2988, 0.3329**.

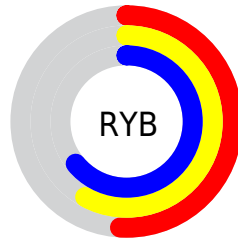
Distribution



Red (51%)

Green (64%)

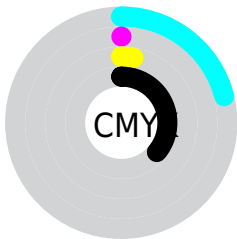
Blue (62%)



Red (51%)

Yellow (58%)

Blue (64%)

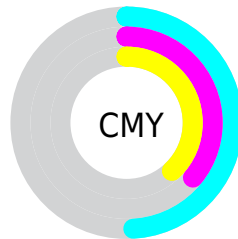


Cyan (21%)

Magenta (0%)

Yellow (3%)

Black (36%)



Cyan (49%)


Magenta (36%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7999, 0.2864, 0.3368 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 33.7999, 0.2864, 0.3368 by changing the saturation by 10% instead.


 33.7999, 0.2864,
0.3368


 33.7999, 0.2864,
0.3368


319.2389, 0.3002,
0.3328

 22.7399, 0.2827,
0.3379


 65.6224, 0.2916,
0.3353

 14.4016, 0.2778,
0.3392


 87.1537, 0.2935,
0.3347

 8.4005, 0.2711,
0.3411


 112.9442, 0.2951,
0.3343

 4.3523, 0.2611,
0.3439

143.3783, 0.2964,
0.3339

 1.8725, 0.2449,
0.3482

178.8404, 0.2976,
0.3335

 0.5318, 0.1403,
0.3812

219.7150, 0.2986,

 0.0000, 0.0000,

0.3333

0.0000

266.3863, 0.2994,
0.3330

■ 33.7999, 0.2864,
0.3368

■ 33.7999, 0.2864,
0.3368

■ 32.5231, 0.2749,
0.3411

■ 35.2878, 0.2988,
0.3329

■ 31.4435, 0.2647,
0.3456

■ 36.9918, 0.3118,
0.3292

■ 30.5518, 0.2558,
0.3504

■ 38.9219, 0.3251,
0.3260

■ 29.8366, 0.2486,
0.3554

■ 41.0862, 0.3387,
0.3231

■ 29.2850, 0.2432,
0.3604

■ 43.4923, 0.3521,
0.3205

■ 28.8824, 0.2397,
0.3656

■ 46.1477, 0.3654,
0.3182

■ 28.6115, 0.2380,
0.3707

■ 49.0593, 0.3783,
0.3162

■ 28.4416, 0.2376,
0.3754

■ 51.0357, 0.3853,
0.3142

■ 51.1334, 0.3829,
0.3117

Harmonies

Analogous

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



33.7999, 0.3035, 0.3535



33.7999, 0.2864, 0.3368



33.7999, 0.2764, 0.3184

Triad

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



33.7999, 0.2864, 0.3368



33.7999, 0.3011, 0.2974



33.7999, 0.3509, 0.3530

Complementary

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



33.7999, 0.2864, 0.3368



25.6121, 0.3472, 0.3214

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.



33.7999, 0.3504, 0.3377



33.7999, 0.2864, 0.3368



33.7999, 0.3212, 0.3062

Square

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



33.7999, 0.2864, 0.3368



33.7999, 0.2847, 0.2963



33.7999, 0.3394, 0.3208



33.7999, 0.3409, 0.3626

Rectangle

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



33.7999, 0.2864, 0.3368



33.7999, 0.2749, 0.3079



33.7999, 0.3394, 0.3208



33.7999, 0.3520, 0.3484

Sweetspot

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



33.8013, 0.2864, 0.3368



65.4295, 0.3047, 0.3312



33.3231, 0.3149, 0.3841



14.2636, 0.3039, 0.3314



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.8013, 0.2864, 0.3368



60.2079, 0.2808, 0.3388



29.9184, 0.2813, 0.3099



7.9933, 0.3006, 0.3323



21.8135, 0.2375, 0.3749



0.4629, 0.2324, 0.3565

Inverse Universe

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



25.6121, 0.3472, 0.3214



42.5401, 0.3575, 0.3195



28.8244, 0.3495, 0.3473



7.1021, 0.3263, 0.3257



6.1070, 0.6166, 0.3170



0.1329, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 33.7999, 0.2864, 0.3368 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 33.7999, 0.2864, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

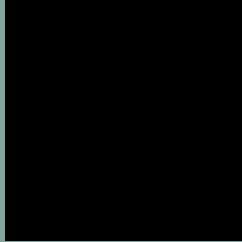
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

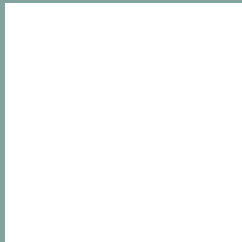
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7999, 0.2864, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 33.7999, 0.2864, 0.3368.

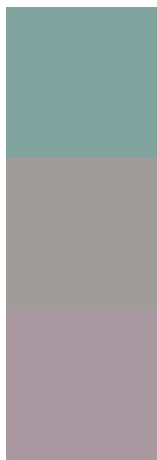


This preview shows how white text looks on a background with the Yxy color 33.7999, 0.2864, 0.3368.

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

33.7999, 0.2864, 0.3368

Protanopia

33.5836, 0.3185, 0.3320

Deuteranopia

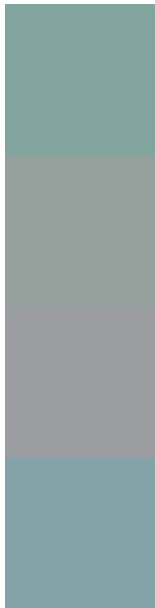
33.5757, 0.3224, 0.3161



Tritanopia

33.9224, 0.2763, 0.3091

Trichromacy



Original Color

33.7999, 0.2864, 0.3368

Protanomaly

33.5861, 0.3058, 0.3336

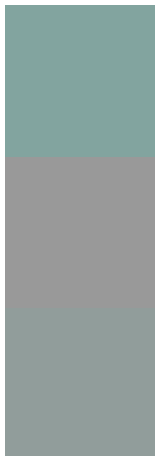
Deuteranomaly

33.2836, 0.3081, 0.3230

Tritanomaly

33.9645, 0.2802, 0.3196

Monochromacy



Original Color

33.7999, 0.2864, 0.3368

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.5002, 0.3030, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7999, 0.2864, 0.3368 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(130, 164, 159)` looks like.

```
.text, #text, p{  
    color:rgb(130, 164, 159)  
}
```

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(130, 164, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 164, 159) }
```

Border

The CSS property to change the border of an element to Yxy 33.7999, 0.2864, 0.3368 is called "border". The border property can be set on classes, ids or directly on the HTML element.

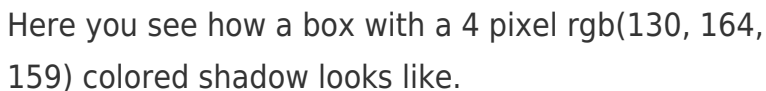
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 164, 159) }
```

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

```
.border{ border-color:rgb(130, 164, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(130, 164, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 164, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 164, 159); box-shadow:4px 4px 4px 4px rgb(130, 164, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7999, 0.2864, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 164, 159) }
```

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

```
.background{ background-color: rgb(130,  
164, 159) }
```

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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