

Converting Colors

$Yxy(33.7231, 0.2975, 0.3823)$

Have a look what the booklet for
Yxy(33.7231, 0.2975, 0.3823)
contains.

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Color

Yxy(33.8478, 0.2971, 0.3820)

Conversions

Conversions Part 1

Format	Color
Hex	79A888
RGB	121, 168, 136
RGB Percent	47%, 66%, 53%
CMY	0.5257, 0.3411, 0.4667
CMYK	0.28, 0.00, 0.19, 0.34
HSL	139°, 21%, 57%
HSV	139°, 28%, 66%
XYZ	26.3251, 33.8478, 28.4339
YIQ	150.2990, -17.7400, -19.9160

Conversions

Conversions Part 2

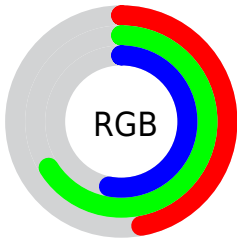
Format	Color
RYB	121, 157, 168
Decimal	7973000
CIELab	64.84, -22.53, 11.55
CIELCh	65, 25.319, 152.871
Yxy	33.8478, 0.2971, 0.3820
Android (android.graphics.Color)	4286163080 (0xFF79A888)
YUV	150.2990, -7.0494, -25.6952
Hunter-Lab	58.1789, -21.0444, 11.7482

Details

The Yxy color **33.8478, 0.2971, 0.3820** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.2865, 0.3329, 0.2814**, and the grayscale version is **30.6647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4481, 0.3005, 0.3709**, and **14.5023, 0.2917, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **32.4320, 0.2921, 0.4048**, and if you desaturate by 10%, it is **35.5124, 0.3025, 0.3612**.

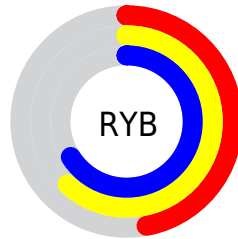
Distribution



Red (47%)

Green (66%)

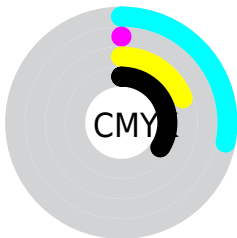
Blue (53%)



Red (47%)

Yellow (62%)

Blue (66%)

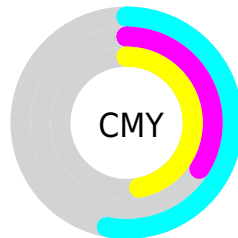


Cyan (28%)

Magenta (0%)

Yellow (19%)

Black (34%)



Cyan (53%)


Magenta (34%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8478, 0.2971, 0.3820 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 33.8478, 0.2971, 0.3820 by changing the saturation by 10% instead.


 33.8478, 0.2971,
0.3820


 33.8478, 0.2971,
0.3820


319.4529, 0.3058,
0.3532

 22.7767, 0.2946,
0.3901


 65.6969, 0.3005,
0.3709

 14.4287, 0.2911,
0.4011


 87.2437, 0.3017,
0.3669

 8.4194, 0.2861,
0.4168


 113.0512, 0.3027,
0.3636

 4.3645, 0.2781,
0.4412

143.5038, 0.3035,
0.3609

 1.8795, 0.2634,
0.4838

178.9859, 0.3042,
0.3585

 0.5360, 0.0000,
1.0000

219.8818, 0.3048,

 0.0000, 0.0000,

0.3565

0.0000

266.5760, 0.3053,
0.3547

■ 33.8478, 0.2971,
0.3820

■ 33.8478, 0.2971,
0.3820

■ 32.4320, 0.2921,
0.4048

■ 35.5124, 0.3025,
0.3612

■ 31.2488, 0.2879,
0.4293

■ 37.4329, 0.3082,
0.3425

■ 30.2866, 0.2847,
0.4549

■ 39.6212, 0.3138,
0.3259

■ 29.5308, 0.2828,
0.4808

■ 42.0871, 0.3194,
0.3112

■ 28.9653, 0.2825,
0.5060

■ 44.8401, 0.3248,
0.2984

■ 28.5713, 0.2839,
0.5294

■ 47.8891, 0.3300,
0.2872

■ 28.3178, 0.2866,
0.5498

■ 51.2427, 0.3349,
0.2774

■ 28.2746, 0.2871,
0.5536

■ 54.8414, 0.3392,
0.2689

■ 55.4954, 0.3296,
0.2583

Harmonies

Analogous

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



33.8478, 0.3363, 0.3992



33.8478, 0.2971, 0.3820



33.8478, 0.2635, 0.3476

Triad

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



33.8478, 0.2971, 0.3820



33.8478, 0.2558, 0.2662



33.8478, 0.3871, 0.3410

Complementary

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



33.8478, 0.2971, 0.3820



24.2865, 0.3329, 0.2814

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.



33.8478, 0.3628, 0.3094



33.8478, 0.2971, 0.3820



33.8478, 0.2858, 0.2678

Square

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



33.8478, 0.2971, 0.3820



33.8478, 0.2409, 0.2804



33.8478, 0.3250, 0.2833



33.8478, 0.3897, 0.3718

Rectangle

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



33.8478, 0.2971, 0.3820



33.8478, 0.2484, 0.3217



33.8478, 0.3250, 0.2833



33.8478, 0.3812, 0.3302

Sweetspot

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



33.8492, 0.2971, 0.3820



67.8651, 0.3081, 0.3427



36.1731, 0.3393, 0.4009



14.6745, 0.3073, 0.3453



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.8492, 0.2971, 0.3820



59.6641, 0.2937, 0.3969



34.5886, 0.2791, 0.3427



8.4458, 0.3074, 0.3447



21.3559, 0.2866, 0.5518



0.5288, 0.2674, 0.4826

Inverse Universe

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



24.2865, 0.3329, 0.2814



39.2388, 0.3390, 0.2698



23.5879, 0.3614, 0.3159



7.6252, 0.3184, 0.3138



7.2189, 0.4200, 0.2087



0.1843, 0.3803, 0.1869

Previews

White Background



This preview shows how the Yxy color 33.8478, 0.2971, 0.3820 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 33.8478, 0.2971, 0.3820 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 33.8478, 0.2971, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 33.8478, 0.2971, 0.3820.



This preview shows how white text looks on a background with the Yxy color 33.8478, 0.2971, 0.3820.

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

33.8478, 0.2971, 0.3820

Protanopia

33.4956, 0.3475, 0.3679

Deuteranopia

33.4916, 0.3517, 0.3448



Tritanopia

33.9961, 0.2725, 0.3089

Trichromacy



Original Color

33.8478, 0.2971, 0.3820

Protanomaly

33.2916, 0.3282, 0.3727

Deuteranomaly

33.1461, 0.3293, 0.3565

Tritanomaly

33.9191, 0.2816, 0.3353

Monochromacy



Original Color

33.8478, 0.2971, 0.3820

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.6472, 0.3060, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8478, 0.2971, 0.3820 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(121, 168, 136)` looks like.

```
.text, #text, p{  
    color:rgb(121, 168, 136)  
}
```

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(121, 168, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 168, 136) }
```

Border

The CSS property to change the border of an element to Yxy 33.8478, 0.2971, 0.3820 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(121, 168, 136) }
```

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

```
.border{ border-color:rgb(121, 168, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 168, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 168, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 168, 136);  
box-shadow:4px 4px 4px 4px rgb(121, 168,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8478, 0.2971, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 168, 136) }
```

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

```
.background{ background-color: rgb(121,  
168, 136) }
```

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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