

Converting Colors

$Yxy(33.9882, 0.2411, 0.3204)$

Have a look what the booklet for
Yxy(33.9882, 0.2411, 0.3204)
contains.

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Color

Yxy(33.8382, 0.2412, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	4DABB0
RGB	77, 171, 176
RGB Percent	30%, 67%, 69%
CMY	0.6980, 0.3294, 0.3099
CMYK	0.56, 0.03, 0.00, 0.31
HSL	183°, 39%, 50%
HSV	183°, 56%, 69%
XYZ	25.4578, 33.8382, 46.2505
YIQ	143.4640, -57.6290, -18.3730

Conversions

Conversions Part 2

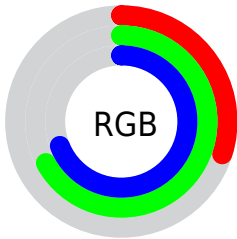
Format	Color
RYB	77, 125, 176
Decimal	5090224
CIELab	64.83, -26.12, -10.97
CIELCh	65, 28.331, 202.789
Yxy	33.8382, 0.2412, 0.3206
Android (android.graphics.Color)	4283280304 (0xFF4DABB0)
YUV	143.4640, 16.0402, -58.2889
Hunter-Lab	58.1706, -23.6798, -6.4210

Details

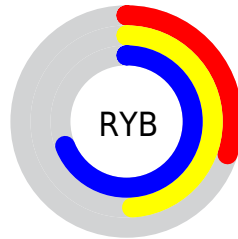
The Yxy color **33.8382, 0.2412, 0.3206** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.7936, 0.4740, 0.3364**, and the grayscale version is **27.6156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9153, 0.2547, 0.3227**, and **14.4121, 0.2207, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **32.8711, 0.2334, 0.3189**, and if you desaturate by 10%, it is **35.0081, 0.2508, 0.3223**.

Distribution



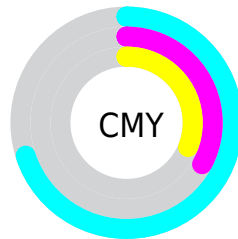
- Red (30%)
- Green (67%)
- Blue (69%)



- Red (30%)
- Yellow (49%)
- Blue (69%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)




- Cyan (70%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8382, 0.2412, 0.3206 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 33.8382, 0.2412, 0.3206 by changing the saturation by 10% instead.


 33.8382, 0.2412,
0.3206


 33.8382, 0.2412,
0.3206


319.4100, 0.2780,
0.3259


 22.7693, 0.2317,
0.3188


 65.6820, 0.2548,
0.3228


 14.4233, 0.2195,
0.3163


 87.2257, 0.2598,
0.3236

 8.4156, 0.2029,
0.3124


 113.0298, 0.2641,
0.3242

 4.3620, 0.1796,
0.3060

 143.4786, 0.2677,
0.3247

 1.8781, 0.1448,
0.2937

 178.9567, 0.2708,
0.3251

 0.5351, 0.0000,
0.2760

219.8484, 0.2735,

 0.0000, 0.0000,

0.3254

0.0000

266.5380, 0.2759,
0.3257

■ 33.8382, 0.2412,
0.3206

■ 33.8382, 0.2412,
0.3206

■ 32.8711, 0.2334,
0.3189

■ 35.0081, 0.2508,
0.3223

■ 32.0866, 0.2275,
0.3172

■ 36.3915, 0.2620,
0.3239

■ 31.4669, 0.2235,
0.3156

■ 38.0028, 0.2747,
0.3254

■ 30.9867, 0.2211,
0.3139

■ 39.8543, 0.2885,
0.3269

■ 30.8221, 0.2204,
0.3133

■ 41.9571, 0.3032,
0.3282

■ 44.3218, 0.3185,
0.3295

■ 46.9583, 0.3341,
0.3306

■ 49.8761, 0.3498,
0.3316

■ 53.0841, 0.3654,
0.3325

Harmonies

Analogous

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



33.8382, 0.2689, 0.3642



33.8382, 0.2412, 0.3206



33.8382, 0.2318, 0.2837

Triad

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



33.8382, 0.2412, 0.3206



33.8382, 0.3110, 0.2711



33.8382, 0.3867, 0.3947

Complementary

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



33.8382, 0.2412, 0.3206



15.7936, 0.4740, 0.3364

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.



33.8382, 0.4008, 0.3651



33.8382, 0.2412, 0.3206



33.8382, 0.3555, 0.2964

Square

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



33.8382, 0.2412, 0.3206



33.8382, 0.2698, 0.2587



33.8382, 0.3894, 0.3298



33.8382, 0.3528, 0.4086

Rectangle

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



33.8382, 0.2412, 0.3206



33.8382, 0.2364, 0.2675



33.8382, 0.3894, 0.3298



33.8382, 0.3940, 0.3860

Sweetspot

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



33.8395, 0.2412, 0.3206



71.9294, 0.2870, 0.3267



33.2273, 0.3016, 0.4985



15.4411, 0.2842, 0.3264



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.



33.8395, 0.2412, 0.3206



59.3362, 0.2321, 0.3186



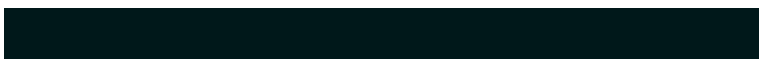
18.5181, 0.2224, 0.2314



9.5570, 0.2986, 0.3278



22.6479, 0.2204, 0.3135



0.7347, 0.2217, 0.3181

Inverse Universe

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



17.4759, 0.3252, 0.2037



27.1349, 0.3279, 0.1846



26.1136, 0.4274, 0.4071



8.6392, 0.3145, 0.3077



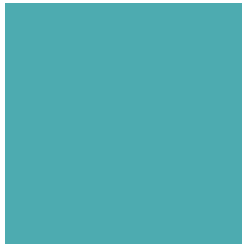
8.8265, 0.3337, 0.1612



0.2800, 0.3298, 0.1591

Previews

White Background



This preview shows how the Yxy color 33.8382, 0.2412, 0.3206 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 33.8382, 0.2412, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

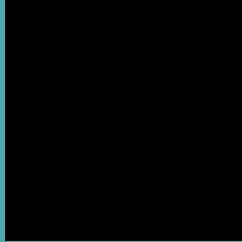
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8382, 0.2412, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 33.8382, 0.2412, 0.3206.

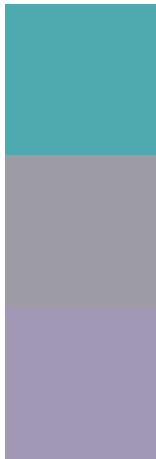


This preview shows how white text looks on a background with the Yxy color 33.8382, 0.2412, 0.3206.

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

33.8382, 0.2412, 0.3206

Protanopia

33.2638, 0.3038, 0.3127

Deuteranopia

33.2253, 0.2954, 0.2889



Tritanopia

33.9156, 0.2378, 0.3062

Trichromacy



Original Color

33.8382, 0.2412, 0.3206

Protanomaly

32.9040, 0.2751, 0.3148

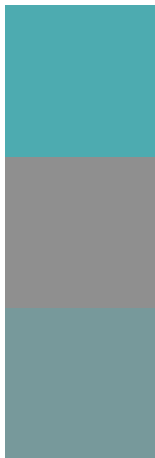
Deuteranomaly

32.7968, 0.2705, 0.2983

Tritanomaly

33.7479, 0.2390, 0.3109

Monochromacy



Original Color

33.8382, 0.2412, 0.3206

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0710, 0.2790, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8382, 0.2412, 0.3206 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(77, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(77, 171, 176)  
}
```

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(77, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 171, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.8382, 0.2412, 0.3206 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(77, 171, 176) }
```

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

```
.border{ border-color:rgb(77, 171, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(77, 171,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8382, 0.2412, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 171, 176) }
```

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

```
.background{ background-color: rgb(77, 171,  
176) }
```

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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