

Converting Colors

$Yxy(33.8617, 0.2387, 0.3171)$

Have a look what the booklet for
Yxy(33.8617, 0.2387, 0.3171)
contains.

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Color

Yxy(33.7960, 0.2387, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	4AABB2
RGB	74, 171, 178
RGB Percent	29%, 67%, 70%
CMY	0.7096, 0.3294, 0.3020
CMYK	0.58, 0.04, 0.00, 0.30
HSL	184°, 41%, 49%
HSV	184°, 58%, 70%
XYZ	25.4242, 33.7960, 47.2910
YIQ	142.7950, -60.0590, -18.3870

Conversions

Conversions Part 2

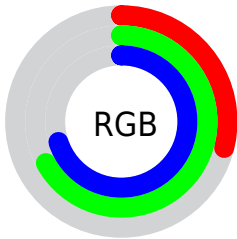
Format	Color
RYB	74, 124, 178
Decimal	4893618
CIELab	64.80, -26.12, -12.15
CIElCh	65, 28.804, 204.951
Yxy	33.7960, 0.2387, 0.3173
Android (android.graphics.Color)	4283083698 (0xFF4AABB2)
YUV	142.7950, 17.3561, -60.3332
Hunter-Lab	58.1343, -23.6706, -7.5371

Details

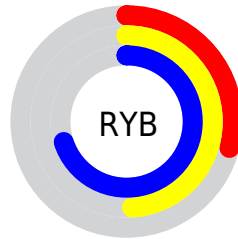
The Yxy color **33.7960, 0.2387, 0.3173** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.8486, 0.4821, 0.3390**, and the grayscale version is **27.3359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8652, 0.2528, 0.3202**, and **14.4375, 0.2200, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **32.7378, 0.2311, 0.3150**, and if you desaturate by 10%, it is **35.0607, 0.2481, 0.3195**.

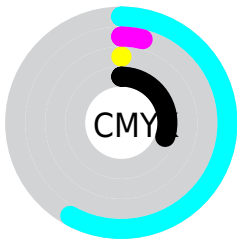
Distribution



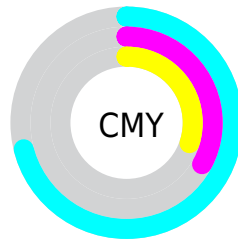
- Red (29%)
- Green (67%)
- Blue (70%)



- Red (29%)
- Yellow (49%)
- Blue (70%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)





- Cyan (71%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7960, 0.2387, 0.3173 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 33.7960, 0.2387, 0.3173 by changing the saturation by 10% instead.


 33.7960, 0.2387,
0.3173


 33.7960, 0.2387,
0.3173


319.2215, 0.2767,
0.3245

 22.7369, 0.2290,
0.3150


 65.6163, 0.2527,
0.3202

 14.3994, 0.2163,
0.3118


 87.1463, 0.2579,
0.3212


 8.3990, 0.1994,
0.3070


 112.9355, 0.2623,
0.3220

 4.3513, 0.1755,
0.2991

 143.3681, 0.2660,
0.3227

 1.8719, 0.1402,
0.2847

 178.8286, 0.2693,
0.3232

 0.5314, 0.0000,
0.2608

219.7014, 0.2721,

 0.0000, 0.0000,

0.3237

0.0000

266.3709, 0.2745,
0.3241

■ 33.7960, 0.2387,
0.3173

■ 33.7960, 0.2387,
0.3173

■ 32.7378, 0.2311,
0.3150

■ 35.0607, 0.2481,
0.3195

■ 31.8649, 0.2254,
0.3128

■ 36.5434, 0.2592,
0.3217

■ 31.1583, 0.2216,
0.3105

■ 38.2593, 0.2717,
0.3238

■ 30.5836, 0.2192,
0.3083

■ 40.2210, 0.2854,
0.3257

■ 30.4950, 0.2189,
0.3080

■ 42.4402, 0.3000,
0.3276

■ 44.9280, 0.3152,
0.3293

■ 47.6947, 0.3307,
0.3308

■ 50.7502, 0.3464,
0.3322

■ 54.1036, 0.3619,
0.3334

Harmonies

Analogous

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



33.7960, 0.2656, 0.3617



33.7960, 0.2387, 0.3173



33.7960, 0.2306, 0.2807

Triad

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



33.7960, 0.2387, 0.3173



33.7960, 0.3142, 0.2716



33.7960, 0.3860, 0.3974

Complementary

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



33.7960, 0.2387, 0.3173



15.8486, 0.4821, 0.3390

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.



33.7960, 0.4021, 0.3681



33.7960, 0.2387, 0.3173



33.7960, 0.3593, 0.2981

Square

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



33.7960, 0.2387, 0.3173



33.7960, 0.2717, 0.2580



33.7960, 0.3924, 0.3324



33.7960, 0.3504, 0.4101

Rectangle

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



33.7960, 0.2387, 0.3173



33.7960, 0.2362, 0.2652



33.7960, 0.3924, 0.3324



33.7960, 0.3940, 0.3889

Sweetspot

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



33.7973, 0.2387, 0.3173



72.9865, 0.2855, 0.3258



33.8845, 0.3003, 0.5030



15.9319, 0.2814, 0.3252



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.7973, 0.2387, 0.3173



58.9038, 0.2293, 0.3144



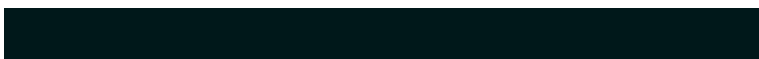
17.8874, 0.2184, 0.2236



9.5319, 0.2986, 0.3274



21.8620, 0.2190, 0.3082



0.7169, 0.2207, 0.3144

Inverse Universe

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



17.3084, 0.3280, 0.2016



26.7244, 0.3316, 0.1826



26.7185, 0.4313, 0.4119



8.6367, 0.3147, 0.3080



8.7471, 0.3382, 0.1637



0.2782, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 33.7960, 0.2387, 0.3173 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 33.7960, 0.2387, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

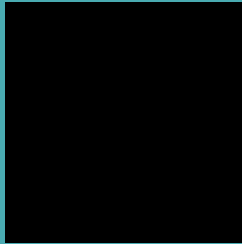
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

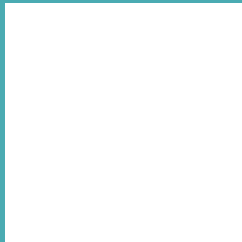
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7960, 0.2387, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 33.7960, 0.2387, 0.3173.

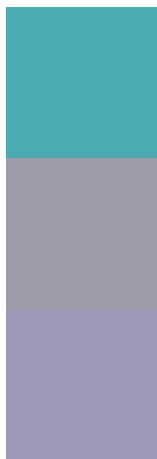


This preview shows how white text looks on a background with the Yxy color 33.7960, 0.2387, 0.3173.

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

33.7960, 0.2387, 0.3173

Protanopia

33.3378, 0.3020, 0.3098

Deuteranopia

33.2048, 0.2927, 0.2861



Tritanopia

33.7879, 0.2364, 0.3061

Trichromacy



Original Color

33.7960, 0.2387, 0.3173

Protanomaly

32.9039, 0.2728, 0.3117

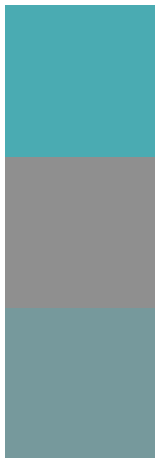
Deuteranomaly

32.7217, 0.2674, 0.2952

Tritanomaly

33.6633, 0.2370, 0.3092

Monochromacy



Original Color

33.7960, 0.2387, 0.3173

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0343, 0.2774, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7960, 0.2387, 0.3173 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(74, 171, 178)` looks like.

```
.text, #text, p{  
    color:rgb(74, 171, 178)  
}
```

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(74, 171, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 171, 178) }
```

Border

The CSS property to change the border of an element to Yxy 33.7960, 0.2387, 0.3173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

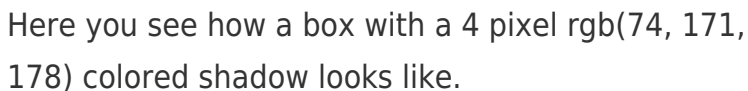
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(74, 171, 178) }
```

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

```
.border{ border-color:rgb(74, 171, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(74, 171, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 171, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 171, 178);  
box-shadow:4px 4px 4px 4px rgb(74, 171,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7960, 0.2387, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 171, 178) }
```

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

```
.background{ background-color: rgb(74, 171,  
178) }
```

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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