

Converting Colors

$Yxy(33.7969, 0.2407, 0.3205)$

Have a look what the booklet for
Yxy(33.7969, 0.2407, 0.3205)
contains.

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Color

Yxy(33.7969, 0.2407, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	4CABB0
RGB	76, 171, 176
RGB Percent	30%, 67%, 69%
CMY	0.7019, 0.3294, 0.3097
CMYK	0.57, 0.03, 0.00, 0.31
HSL	183°, 40%, 49%
HSV	183°, 57%, 69%
XYZ	25.3819, 33.7969, 46.2717
YIQ	143.1650, -58.2250, -18.5850

Conversions

Conversions Part 2

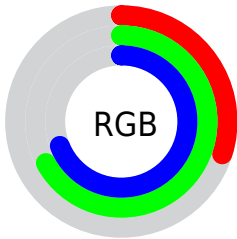
Format	Color
RYB	76, 125, 176
Decimal	5024688
CIELab	64.80, -26.30, -11.05
CIElCh	65, 28.526, 202.798
Yxy	33.7969, 0.2407, 0.3205
Android (android.graphics.Color)	4283214768 (0xFF4CABB0)
YUV	143.1650, 16.1877, -58.9037
Hunter-Lab	58.1351, -23.8028, -6.4964

Details

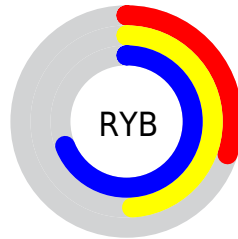
The Yxy color **33.7969, 0.2407, 0.3205** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.6447, 0.4766, 0.3365**, and the grayscale version is **27.4910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8327, 0.2542, 0.3227**, and **14.4121, 0.2207, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **32.8402, 0.2330, 0.3188**, and if you desaturate by 10%, it is **34.9557, 0.2502, 0.3222**.

Distribution



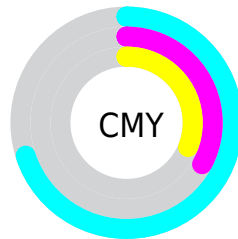
- Red (30%)
- Green (67%)
- Blue (69%)



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



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7969, 0.2407, 0.3205 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 33.7969, 0.2407, 0.3205 by changing the saturation by 10% instead.


 33.7969, 0.2407,
0.3205


 33.7969, 0.2407,
0.3205

319.2255, 0.2777,
0.3259

 22.7376, 0.2312,
0.3187


 65.6177, 0.2544,
0.3228

 14.3999, 0.2188,
0.3162


 87.1480, 0.2595,
0.3235


 8.3993, 0.2022,
0.3122


 112.9375, 0.2637,
0.3241

 4.3515, 0.1787,
0.3057

 143.3704, 0.2674,
0.3246

 1.8721, 0.1437,
0.2932

 178.8313, 0.2705,
0.3250

 0.5315, 0.0000,
0.2744

219.7045, 0.2732,

 0.0000, 0.0000,

0.3254

0.0000

266.3745, 0.2756,
0.3257

■ 33.7969, 0.2407,
0.3205

■ 33.7969, 0.2407,
0.3205

■ 32.8402, 0.2330,
0.3188

■ 34.9557, 0.2502,
0.3222

■ 32.0651, 0.2273,
0.3171

■ 36.3273, 0.2613,
0.3238

■ 31.4537, 0.2233,
0.3155

■ 37.9263, 0.2739,
0.3253

■ 30.9791, 0.2210,
0.3138

■ 39.7649, 0.2877,
0.3268

■ 30.8396, 0.2204,
0.3133

■ 41.8544, 0.3023,
0.3281

■ 44.2053, 0.3176,
0.3294

■ 46.8278, 0.3332,
0.3305

■ 49.7311, 0.3489,
0.3315

■ 52.9243, 0.3645,
0.3325

Harmonies

Analogous

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



33.7969, 0.2686, 0.3644



33.7969, 0.2407, 0.3205



33.7969, 0.2312, 0.2833

Triad

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



33.7969, 0.2407, 0.3205



33.7969, 0.3110, 0.2707



33.7969, 0.3872, 0.3951

Complementary

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



33.7969, 0.2407, 0.3205



15.6447, 0.4766, 0.3365

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.



33.7969, 0.4015, 0.3654



33.7969, 0.2407, 0.3205



33.7969, 0.3559, 0.2962

Square

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



33.7969, 0.2407, 0.3205



33.7969, 0.2695, 0.2582



33.7969, 0.3900, 0.3298



33.7969, 0.3530, 0.4091

Rectangle

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



33.7969, 0.2407, 0.3205



33.7969, 0.2359, 0.2671



33.7969, 0.3900, 0.3298



33.7969, 0.3946, 0.3864

Sweetspot

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



33.7982, 0.2407, 0.3205



71.9290, 0.2870, 0.3267



33.1911, 0.3015, 0.5004



15.4410, 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.



33.7982, 0.2407, 0.3205



59.1814, 0.2315, 0.3184



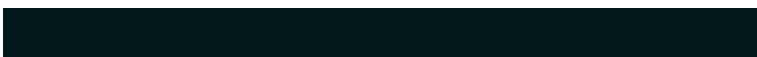
18.3511, 0.2216, 0.2302



9.5569, 0.2986, 0.3278



22.6469, 0.2204, 0.3135



0.7347, 0.2217, 0.3181

Inverse Universe

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



17.3434, 0.3253, 0.2026



26.8193, 0.3281, 0.1832



25.9921, 0.4288, 0.4078



8.6392, 0.3145, 0.3077



8.8264, 0.3337, 0.1612



0.2799, 0.3298, 0.1591

Previews

White Background



This preview shows how the Yxy color 33.7969, 0.2407, 0.3205 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 33.7969, 0.2407, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

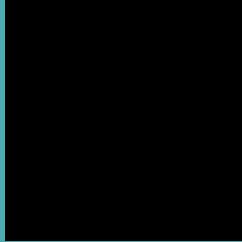
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

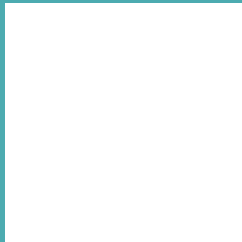
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7969, 0.2407, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 33.7969, 0.2407, 0.3205.

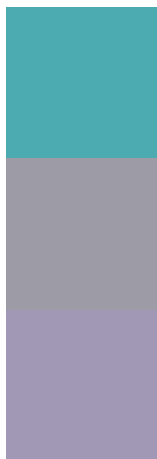


This preview shows how white text looks on a background with the Yxy color 33.7969, 0.2407, 0.3205.

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

33.7969, 0.2407, 0.3205

Protanopia

33.2638, 0.3038, 0.3127

Deuteranopia

33.2253, 0.2954, 0.2889



Tritanopia

33.8724, 0.2373, 0.3062

Trichromacy



Original Color

33.7969, 0.2407, 0.3205

Protanomaly

32.9040, 0.2751, 0.3148

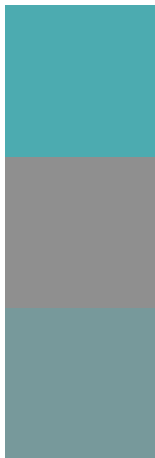
Deuteranomaly

32.7181, 0.2697, 0.2982

Tritanomaly

33.7053, 0.2385, 0.3109

Monochromacy



Original Color

33.7969, 0.2407, 0.3205

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 33.7969, 0.2407, 0.3205 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(76, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 171, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.7969, 0.2407, 0.3205 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(76, 171, 176) }
```

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

```
.border{ border-color:rgb(76, 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(76, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(76, 171,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7969, 0.2407, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 171, 176) }
```

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

```
.background{ background-color: rgb(76, 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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