

Converting Colors

$Y_{xy}(35.3808, 0.2316, 0.2949)$

Have a look what the booklet for
Yxy(35.3808, 0.2316, 0.2949)
contains.

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Color

Yxy(35.4051, 0.2316, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	4DADC3
RGB	77, 173, 195
RGB Percent	30%, 68%, 76%
CMY	0.6982, 0.3215, 0.2352
CMYK	0.61, 0.11, 0.00, 0.24
HSL	191°, 50%, 53%
HSV	191°, 61%, 76%
XYZ	27.8527, 35.4051, 57.0041
YIQ	146.8040, -64.2780, -13.5100

Conversions

Conversions Part 2

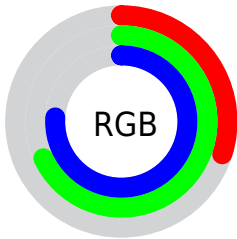
Format	Color
RYB	77, 130, 195
Decimal	5090755
CIELab	66.06, -21.61, -19.71
CIELCh	66, 29.246, 222.359
Yxy	35.4051, 0.2316, 0.2944
Android (android.graphics.Color)	4283280835 (0xFF4DADC3)
YUV	146.8040, 23.7606, -61.2181
Hunter-Lab	59.5022, -20.5739, -15.1493

Details

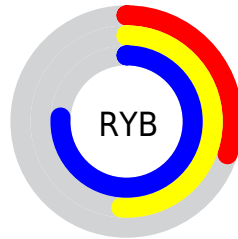
The Yxy color **35.4051, 0.2316, 0.2944** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **21.0559, 0.4802, 0.3572**, and the grayscale version is **29.0085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3853, 0.2467, 0.3017**, and **15.3560, 0.2117, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **33.3383, 0.2229, 0.2877**, and if you desaturate by 10%, it is **37.7555, 0.2421, 0.3009**.

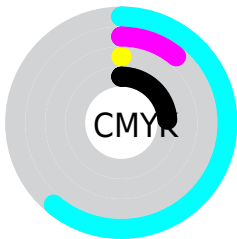
Distribution



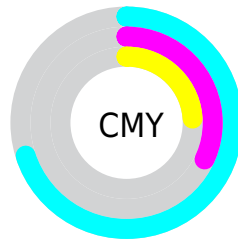
- Red (30%)
- Green (68%)
- Blue (76%)



- Red (30%)
- Yellow (51%)
- Blue (76%)



- Cyan (61%)
- Magenta (11%)
- Yellow (0%)
- Black (24%)





- Cyan (70%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4051, 0.2316, 0.2944 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 35.4051, 0.2316, 0.2944 by changing the saturation by 10% instead.


 35.4051, 0.2316,
0.2944


 35.4051, 0.2316,
0.2944


326.3528, 0.2726,
0.3134


 23.9751, 0.2213,
0.2891


 68.1129, 0.2466,
0.3017

 15.3151, 0.2082,
0.2820


 90.1594, 0.2522,
0.3044

 9.0409, 0.1908,
0.2720


 116.5136, 0.2569,
0.3065

 4.7678, 0.1670,
0.2571

 147.5598, 0.2610,
0.3084

 2.1117, 0.1331,
0.2332

183.6824, 0.2645,
0.3099

 0.6712, 0.0324,
0.1973

225.2659, 0.2675,

 0.0000, 0.0000,

0.3113

0.0000

272.6945, 0.2702,
0.3124

■ 35.4051, 0.2316,
0.2944

■ 35.4051, 0.2316,
0.2944

■ 33.3383, 0.2229,
0.2877

■ 37.7555, 0.2421,
0.3009

■ 31.5285, 0.2160,
0.2810

■ 40.4056, 0.2542,
0.3072

■ 29.9499, 0.2111,
0.2743

■ 43.3747, 0.2675,
0.3132

■ 28.6207, 0.2078,
0.2680

■ 46.6792, 0.2817,
0.3188

■ 50.3345, 0.2966,
0.3240

■ 54.3546, 0.3119,
0.3288

■ 58.7529, 0.3272,
0.3330

■ 63.5421, 0.3424,
0.3369

■ 68.7343, 0.3573,
0.3403

Harmonies

Analogous

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



35.4051, 0.2479, 0.3358



35.4051, 0.2316, 0.2944



35.4051, 0.2350, 0.2668

Triad

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



35.4051, 0.2316, 0.2944



35.4051, 0.3410, 0.2857



35.4051, 0.3671, 0.4074

Complementary

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



35.4051, 0.2316, 0.2944



21.0559, 0.4802, 0.3572

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.



35.4051, 0.3956, 0.3865



35.4051, 0.2316, 0.2944



35.4051, 0.3809, 0.3174

Square

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



35.4051, 0.2316, 0.2944



35.4051, 0.2954, 0.2641



35.4051, 0.4013, 0.3534



35.4051, 0.3250, 0.4061

Rectangle

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



35.4051, 0.2316, 0.2944



35.4051, 0.2479, 0.2582



35.4051, 0.4013, 0.3534



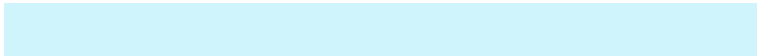
35.4051, 0.3786, 0.4025

Sweetspot

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



35.4064, 0.2316, 0.2944



85.0123, 0.2851, 0.3201



41.5062, 0.2928, 0.4899



18.2092, 0.2807, 0.3185



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



35.4064, 0.2316, 0.2944



58.4839, 0.2202, 0.2853



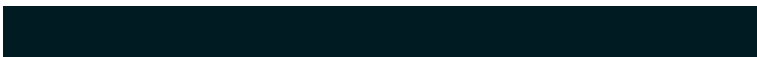
17.6282, 0.2092, 0.1945



11.0989, 0.2984, 0.3246



18.7136, 0.2080, 0.2689



0.8932, 0.2122, 0.2837

Inverse Universe

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



19.9228, 0.3469, 0.2113



30.0003, 0.3567, 0.1944



36.4668, 0.4255, 0.4309



10.2143, 0.3165, 0.3105



9.1714, 0.3739, 0.1833



0.4048, 0.3601, 0.1757

Previews

White Background



This preview shows how the Yxy color 35.4051, 0.2316, 0.2944 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 35.4051, 0.2316, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

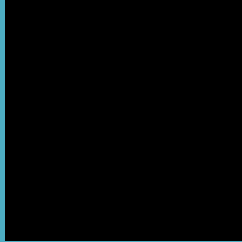
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4051, 0.2316, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 35.4051, 0.2316, 0.2944.



This preview shows how white text looks on a background with the Yxy color 35.4051, 0.2316, 0.2944.

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

35.4051, 0.2316, 0.2944

Protanopia

34.9251, 0.2869, 0.2904

Deuteranopia

34.8690, 0.2759, 0.2693



Tritanopia

35.3588, 0.2343, 0.3065

Trichromacy



Original Color

35.4051, 0.2316, 0.2944

Protanomaly

34.3805, 0.2618, 0.2900

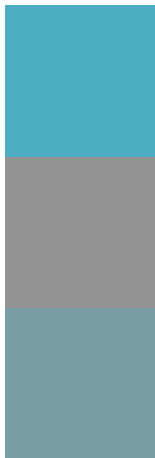
Deuteranomaly

34.4299, 0.2556, 0.2761

Tritanomaly

35.5295, 0.2332, 0.3019

Monochromacy



Original Color

35.4051, 0.2316, 0.2944

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5948, 0.2749, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4051, 0.2316, 0.2944 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, 173, 195)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 195)  
}
```

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, 173, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 195) }
```

Border

The CSS property to change the border of an element to Yxy 35.4051, 0.2316, 0.2944 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, 173, 195) }
```

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

```
.border{ border-color:rgb(77, 173, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 173, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 195);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4051, 0.2316, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 195) }
```

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

```
.background{ background-color: rgb(77, 173,  
195) }
```

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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