

Converting Colors

$Y_{xy}(35.0099, 0.2387, 0.3153)$

Have a look what the booklet for
Yxy(35.0099, 0.2387, 0.3153)
contains.

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Color

Yxy(34.8423, 0.2385, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	4DADB6
RGB	77, 173, 182
RGB Percent	30%, 68%, 71%
CMY	0.6982, 0.3216, 0.2862
CMYK	0.58, 0.05, 0.00, 0.29
HSL	185°, 42%, 51%
HSV	185°, 58%, 71%
XYZ	26.4478, 34.8423, 49.6020
YIQ	145.3220, -60.1050, -17.5530

Conversions

Conversions Part 2

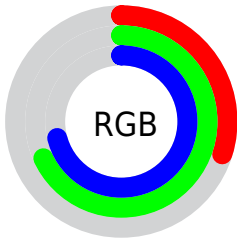
Format	Color
RYB	77, 127, 182
Decimal	5090742
CIELab	65.63, -25.41, -13.16
CIElCh	66, 28.611, 207.375
Yxy	34.8423, 0.2385, 0.3142
Android (android.graphics.Color)	4283280822 (0xFF4DADB6)
YUV	145.3220, 18.0823, -59.9184
Hunter-Lab	59.0274, -23.3193, -8.5036

Details

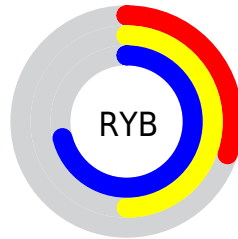
The Yxy color **34.8423, 0.2385, 0.3142** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.1387, 0.4777, 0.3417**, and the grayscale version is **28.3945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3626, 0.2522, 0.3179**, and **15.0179, 0.2188, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **33.5936, 0.2306, 0.3113**, and if you desaturate by 10%, it is **36.3125, 0.2482, 0.3171**.

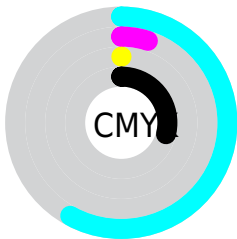
Distribution



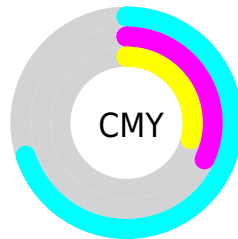
- Red (30%)
- Green (68%)
- Blue (71%)



- Red (30%)
- Yellow (50%)
- Blue (71%)



- Cyan (58%)
- Magenta (5%)
- Yellow (0%)
- Black (29%)





- Cyan (70%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8423, 0.2385, 0.3142 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 34.8423, 0.2385, 0.3142 by changing the saturation by 10% instead.


 34.8423, 0.2385,
0.3142


 34.8423, 0.2385,
0.3142


323.8717, 0.2764,
0.3229

 23.5414, 0.2289,
0.3115


 67.2414, 0.2524,
0.3177


 14.9938, 0.2164,
0.3078


 89.1084, 0.2576,
0.3189

 8.8150, 0.1998,
0.3024


 115.2662, 0.2620,
0.3199

 4.6207, 0.1765,
0.2937

 146.0993, 0.2657,
0.3207

 2.0265, 0.1424,
0.2782

181.9920, 0.2689,
0.3214

 0.6228, 0.0000,
0.2628

223.3287, 0.2717,

 0.0000, 0.0000,

0.3220

0.0000

270.4938, 0.2742,
0.3225

■ 34.8423, 0.2385,
0.3142

■ 34.8423, 0.2385,
0.3142

■ 33.5936, 0.2306,
0.3113

■ 36.3125, 0.2482,
0.3171

■ 32.5441, 0.2245,
0.3083

■ 38.0163, 0.2596,
0.3199

■ 31.6741, 0.2203,
0.3054

■ 39.9696, 0.2724,
0.3225

■ 30.9509, 0.2177,
0.3026

■ 42.1857, 0.2863,
0.3250

■ 30.7936, 0.2172,
0.3019

■ 44.6771, 0.3010,
0.3273

■ 47.4552, 0.3162,
0.3295

■ 50.5310, 0.3318,
0.3314

■ 53.9149, 0.3473,
0.3331

■ 57.6166, 0.3627,
0.3347

Harmonies

Analogous

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



34.8423, 0.2637, 0.3577



34.8423, 0.2385, 0.3142



34.8423, 0.2321, 0.2793

Triad

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



34.8423, 0.2385, 0.3142



34.8423, 0.3179, 0.2742



34.8423, 0.3826, 0.3981

Complementary

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



34.8423, 0.2385, 0.3142



17.1387, 0.4777, 0.3417

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.



34.8423, 0.4003, 0.3703



34.8423, 0.2385, 0.3142



34.8423, 0.3618, 0.3011

Square

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



34.8423, 0.2385, 0.3142



34.8423, 0.2754, 0.2596



34.8423, 0.3928, 0.3353



34.8423, 0.3465, 0.4087

Rectangle

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



34.8423, 0.2385, 0.3142



34.8423, 0.2386, 0.2649



34.8423, 0.3928, 0.3353



34.8423, 0.3910, 0.3902

Sweetspot

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



34.8436, 0.2385, 0.3142



76.6386, 0.2869, 0.3251



35.7115, 0.2994, 0.4982



16.7404, 0.2840, 0.3246



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.8436, 0.2385, 0.3142



60.3852, 0.2289, 0.3106



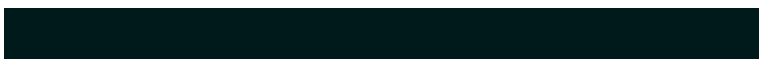
18.5678, 0.2186, 0.2217



10.0751, 0.2985, 0.3270



21.7870, 0.2173, 0.3022



0.8070, 0.2194, 0.3097

Inverse Universe

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



18.2694, 0.3304, 0.2046



28.1964, 0.3347, 0.1860



28.7339, 0.4283, 0.4135



9.1491, 0.3150, 0.3084



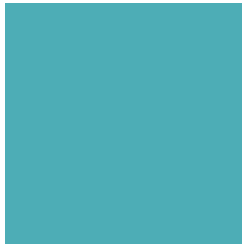
8.9817, 0.3434, 0.1666



0.3206, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 34.8423, 0.2385, 0.3142 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 34.8423, 0.2385, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

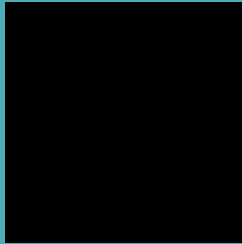
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

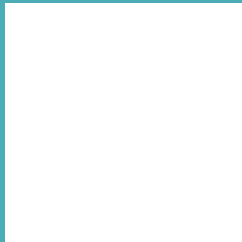
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8423, 0.2385, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 34.8423, 0.2385, 0.3142.

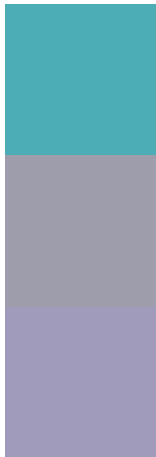


This preview shows how white text looks on a background with the Yxy color 34.8423, 0.2385, 0.3142.

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

34.8423, 0.2385, 0.3142

Protanopia

34.2606, 0.2995, 0.3071

Deuteranopia

34.4614, 0.2904, 0.2853



Tritanopia

34.7125, 0.2369, 0.3064

Trichromacy



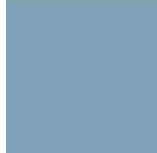
Original Color

34.8423, 0.2385, 0.3142



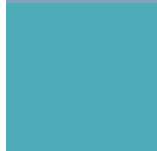
Protanomaly

33.9182, 0.2717, 0.3089



Deuteranomaly

34.0893, 0.2666, 0.2943



Tritanomaly

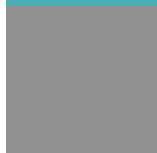
34.6275, 0.2370, 0.3079

Monochromacy



Original Color

34.8423, 0.2385, 0.3142



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

29.9044, 0.2777, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8423, 0.2385, 0.3142 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 182) }
```

Border

The CSS property to change the border of an element to Yxy 34.8423, 0.2385, 0.3142 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, 182) }
```

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

```
.border{ border-color:rgb(77, 173, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 182);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8423, 0.2385, 0.3142 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, 182) }
```

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

```
.background{ background-color: rgb(77, 173,  
182) }
```

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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