

Converting Colors

$Yxy(35.3238, 0.2440, 0.3251)$

Have a look what the booklet for
Yxy(35.3238, 0.2440, 0.3251)
contains.

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Color

Yxy(35.1958, 0.2436, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	51AEB1
RGB	81, 174, 177
RGB Percent	32%, 68%, 69%
CMY	0.6821, 0.3177, 0.3059
CMYK	0.54, 0.02, 0.00, 0.31
HSL	182°, 38%, 51%
HSV	182°, 54%, 69%
XYZ	26.4702, 35.1958, 46.9966
YIQ	146.5350, -56.3910, -18.7830

Conversions

Conversions Part 2

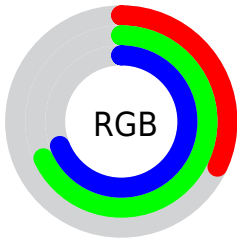
Format	Color
RYB	81, 128, 177
Decimal	5353137
CIELab	65.90, -26.50, -9.94
CIElCh	66, 28.303, 200.557
Yxy	35.1958, 0.2436, 0.3239
Android (android.graphics.Color)	4283543217 (0xFF51AEB1)
YUV	146.5350, 15.0192, -57.4742
Hunter-Lab	59.3260, -24.1772, -5.4398

Details

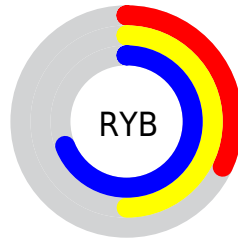
The Yxy color **35.1958, 0.2436, 0.3239** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2975, 0.4668, 0.3337**, and the grayscale version is **28.9384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8801, 0.2562, 0.3252**, and **15.1429, 0.2230, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **34.2993, 0.2357, 0.3229**, and if you desaturate by 10%, it is **36.2998, 0.2533, 0.3249**.

Distribution



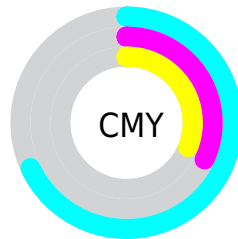
- Red (32%)
- Green (68%)
- Blue (69%)



- Red (32%)
- Yellow (50%)
- Blue (69%)



- Cyan (54%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)





- Cyan (68%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1958, 0.2436, 0.3239 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 35.1958, 0.2436, 0.3239 by changing the saturation by 10% instead.


 35.1958, 0.2436,
0.3239


 35.1958, 0.2436,
0.3239


325.4317, 0.2790,
0.3274

 23.8137, 0.2345,
0.3227


 67.7890, 0.2566,
0.3254


 15.1955, 0.2228,
0.3209


 89.7689, 0.2615,
0.3259

 8.9567, 0.2071,
0.3180


 116.0502, 0.2656,
0.3263

 4.7130, 0.1849,
0.3132

 147.0173, 0.2690,
0.3266

 2.0798, 0.1519,
0.3038

183.0547, 0.2720,
0.3269

 0.6533, 0.0000,
0.3067

224.5466, 0.2747,

 0.0000, 0.0000,

0.3271

0.0000

271.8775, 0.2770,
0.3273

■ 35.1958, 0.2436,
0.3239

■ 35.1958, 0.2436,
0.3239

■ 34.2993, 0.2357,
0.3229

■ 36.2998, 0.2533,
0.3249

■ 33.5899, 0.2296,
0.3218

■ 37.6217, 0.2647,
0.3259

■ 33.0505, 0.2255,
0.3208

■ 39.1759, 0.2775,
0.3269

■ 32.6586, 0.2230,
0.3198

■ 40.9745, 0.2915,
0.3278

■ 32.4699, 0.2220,
0.3192

■ 43.0289, 0.3063,
0.3287

■ 45.3495, 0.3217,
0.3294

■ 47.9464, 0.3375,
0.3302

■ 50.8289, 0.3532,
0.3308

■ 54.0061, 0.3689,
0.3314

Harmonies

Analogous

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



35.1958, 0.2722, 0.3667



35.1958, 0.2436, 0.3239



35.1958, 0.2329, 0.2866

Triad

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



35.1958, 0.2436, 0.3239



35.1958, 0.3078, 0.2704



35.1958, 0.3875, 0.3920

Complementary

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



35.1958, 0.2436, 0.3239



16.2975, 0.4668, 0.3337

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.



35.1958, 0.3996, 0.3622



35.1958, 0.2436, 0.3239



35.1958, 0.3519, 0.2946

Square

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



35.1958, 0.2436, 0.3239



35.1958, 0.2678, 0.2593



35.1958, 0.3865, 0.3273



35.1958, 0.3552, 0.4072

Rectangle

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



35.1958, 0.2436, 0.3239



35.1958, 0.2364, 0.2698



35.1958, 0.3865, 0.3273



35.1958, 0.3942, 0.3832

Sweetspot

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



35.1971, 0.2436, 0.3239



72.6714, 0.2885, 0.3276



33.8194, 0.3038, 0.4970



15.6058, 0.2857, 0.3275



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.



35.1971, 0.2436, 0.3239



61.1550, 0.2344, 0.3227



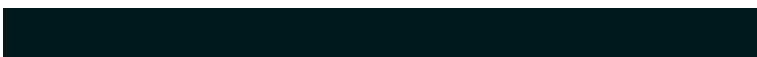
20.2205, 0.2268, 0.2416



9.5848, 0.2986, 0.3282



23.5408, 0.2220, 0.3193



0.7548, 0.2228, 0.3221

Inverse Universe

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



18.2998, 0.3224, 0.2054



27.9515, 0.3245, 0.1854



26.0793, 0.4251, 0.4003



8.6420, 0.3142, 0.3072



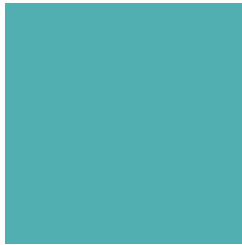
8.9166, 0.3288, 0.1585



0.2820, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 35.1958, 0.2436, 0.3239 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 35.1958, 0.2436, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

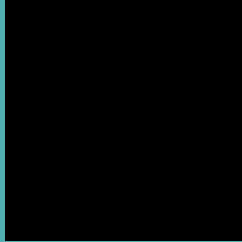
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

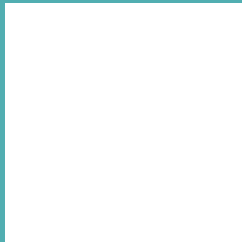
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1958, 0.2436, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 35.1958, 0.2436, 0.3239.

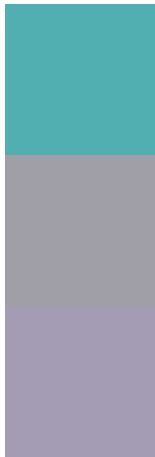


This preview shows how white text looks on a background with the Yxy color 35.1958, 0.2436, 0.3239.

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

35.1958, 0.2436, 0.3239

Protanopia

34.7173, 0.3066, 0.3159

Deuteranopia

34.6714, 0.2983, 0.2924



Tritanopia

35.3636, 0.2401, 0.3082

Trichromacy



Original Color

35.1958, 0.2436, 0.3239

Protanomaly

34.3165, 0.2780, 0.3181

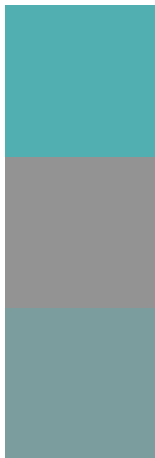
Deuteranomaly

34.2043, 0.2734, 0.3018

Tritanomaly

35.1909, 0.2413, 0.3128

Monochromacy



Original Color

35.1958, 0.2436, 0.3239

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7935, 0.2805, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1958, 0.2436, 0.3239 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(81, 174, 177)` looks like.

```
.text, #text, p{  
    color:rgb(81, 174, 177)  
}
```

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(81, 174, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 174, 177) }
```

Border

The CSS property to change the border of an element to Yxy 35.1958, 0.2436, 0.3239 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(81, 174, 177) }
```

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

```
.border{ border-color:rgb(81, 174, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 174, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 174, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 174, 177);  
box-shadow:4px 4px 4px 4px rgb(81, 174,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1958, 0.2436, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 174, 177) }
```

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

```
.background{ background-color: rgb(81, 174,  
177) }
```

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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