

Converting Colors

$Yxy(35.3373, 0.2457, 0.3156)$

Have a look what the booklet for
Yxy(35.3373, 0.2457, 0.3156)
contains.

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Color

Yxy(35.3970, 0.2455, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	5AADB5
RGB	90, 173, 181
RGB Percent	35%, 68%, 71%
CMY	0.6475, 0.3215, 0.2902
CMYK	0.50, 0.04, 0.00, 0.29
HSL	185°, 38%, 53%
HSV	185°, 50%, 71%
XYZ	27.4912, 35.3970, 49.0922
YIQ	149.0950, -52.0360, -15.1080

Conversions

Conversions Part 2

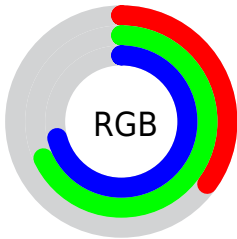
Format	Color
RYB	90, 133, 181
Decimal	5942709
CIELab	66.06, -23.03, -11.88
CIElCh	66, 25.913, 207.297
Yxy	35.3970, 0.2455, 0.3161
Android (android.graphics.Color)	4284132789 (0xFF5AADB5)
YUV	149.0950, 15.7292, -51.8263
Hunter-Lab	59.4954, -21.6370, -7.2760

Details

The Yxy color **35.3970, 0.2455, 0.3161** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.2675, 0.4465, 0.3407**, and the grayscale version is **30.0354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2640, 0.2580, 0.3193**, and **15.2245, 0.2255, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **33.9962, 0.2362, 0.3132**, and if you desaturate by 10%, it is **37.0285, 0.2565, 0.3190**.

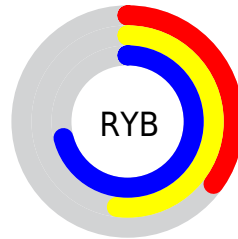
Distribution



Red (35%)

Green (68%)

Blue (71%)



Red (35%)

Yellow (52%)

Blue (71%)

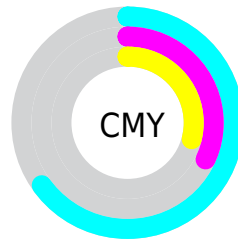


Cyan (50%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (65%)


Magenta (32%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3970, 0.2455, 0.3161 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 35.3970, 0.2455, 0.3161 by changing the saturation by 10% instead.


 35.3970, 0.2455,
0.3161


 35.3970, 0.2455,
0.3161


326.3172, 0.2799,
0.3237


 23.9688, 0.2367,
0.3138


 68.1003, 0.2581,
0.3191

 15.3105, 0.2254,
0.3107


 90.1443, 0.2628,
0.3202

 9.0376, 0.2102,
0.3060


 116.4957, 0.2668,
0.3210

 4.7657, 0.1888,
0.2986

 147.5388, 0.2702,
0.3217

 2.1105, 0.1570,
0.2855

183.6581, 0.2731,
0.3223

 0.6705, 0.0308,
0.2750

225.2381, 0.2756,

 0.0000, 0.0000,

0.3228

0.0000

272.6630, 0.2779,
0.3233

■ 35.3970, 0.2455,
0.3161

■ 35.3970, 0.2455,
0.3161

■ 33.9962, 0.2362,
0.3132

■ 37.0285, 0.2565,
0.3190

■ 32.8058, 0.2287,
0.3102

■ 38.9015, 0.2689,
0.3217

■ 31.8085, 0.2231,
0.3072

■ 41.0306, 0.2825,
0.3243

■ 30.9822, 0.2194,
0.3042

■ 43.4284, 0.2971,
0.3267

■ 30.3024, 0.2171,
0.3014

■ 46.1064, 0.3122,
0.3289

■ 49.0757, 0.3277,
0.3310

■ 52.3464, 0.3432,
0.3328

■ 55.9285, 0.3586,
0.3344

■ 59.8312, 0.3738,
0.3358

Harmonies

Analogous

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



35.3970, 0.2686, 0.3549



35.3970, 0.2455, 0.3161



35.3970, 0.2395, 0.2844

Triad

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



35.3970, 0.2455, 0.3161



35.3970, 0.3175, 0.2791



35.3970, 0.3760, 0.3915

Complementary

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



35.3970, 0.2455, 0.3161



19.2675, 0.4465, 0.3407

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.



35.3970, 0.3916, 0.3667



35.3970, 0.2455, 0.3161



35.3970, 0.3569, 0.3038

Square

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



35.3970, 0.2455, 0.3161



35.3970, 0.2790, 0.2659



35.3970, 0.3847, 0.3350



35.3970, 0.3436, 0.4005

Rectangle

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



35.3970, 0.2455, 0.3161



35.3970, 0.2454, 0.2711



35.3970, 0.3847, 0.3350



35.3970, 0.3835, 0.3846

Sweetspot

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



35.3984, 0.2455, 0.3161



75.6177, 0.2898, 0.3255



36.0830, 0.3007, 0.4737



16.1534, 0.2868, 0.3250



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.



35.3984, 0.2455, 0.3161



60.7416, 0.2356, 0.3130



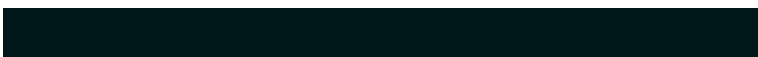
20.9024, 0.2305, 0.2380



9.5019, 0.2986, 0.3269



20.9443, 0.2172, 0.3018



0.6959, 0.2194, 0.3100

Inverse Universe

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



20.1340, 0.3280, 0.2183



30.8605, 0.3317, 0.1994



30.2127, 0.4107, 0.4039



8.6337, 0.3150, 0.3085



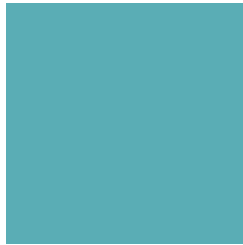
8.6545, 0.3438, 0.1668



0.2760, 0.3367, 0.1629

Previews

White Background



This preview shows how the Yxy color 35.3970, 0.2455, 0.3161 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 35.3970, 0.2455, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

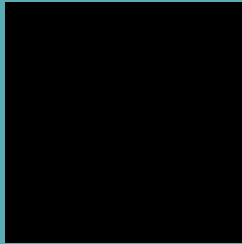
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3970, 0.2455, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 35.3970, 0.2455, 0.3161.



This preview shows how white text looks on a background with the Yxy color 35.3970, 0.2455, 0.3161.

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

35.3970, 0.2455, 0.3161

Protanopia

35.1458, 0.3013, 0.3102

Deuteranopia

35.0662, 0.2940, 0.2884



Tritanopia

35.3255, 0.2434, 0.3068

Trichromacy



Original Color

35.3970, 0.2455, 0.3161

Protanomaly

34.7144, 0.2774, 0.3122

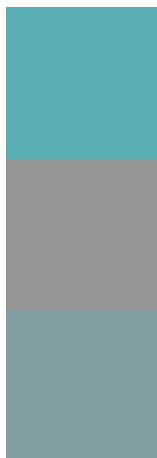
Deuteranomaly

34.5356, 0.2721, 0.2962

Tritanomaly

35.1899, 0.2440, 0.3098

Monochromacy



Original Color

35.3970, 0.2455, 0.3161

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.6161, 0.2826, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3970, 0.2455, 0.3161 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(90, 173, 181)` looks like.

```
.text, #text, p{  
    color:rgb(90, 173, 181)  
}
```

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(90, 173, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 173, 181) }
```

Border

The CSS property to change the border of an element to Yxy 35.3970, 0.2455, 0.3161 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(90, 173, 181) }
```

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

```
.border{ border-color:rgb(90, 173, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 173, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 173, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 173, 181);  
box-shadow:4px 4px 4px 4px rgb(90, 173,  
181) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.3970, 0.2455, 0.3161$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 173, 181) }
```

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

```
.background{ background-color: rgb(90, 173,  
181) }
```

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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