

Converting Colors

$Yxy(34.7753, 0.2404, 0.3152)$

Have a look what the booklet for
Yxy(34.7753, 0.2404, 0.3152)
contains.

Yxy(34.9288, 0.2405, 0.3159)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.9288, 0.2405, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	50ADB5
RGB	80, 173, 181
RGB Percent	31%, 68%, 71%
CMY	0.6862, 0.3216, 0.2902
CMYK	0.56, 0.04, 0.00, 0.29
HSL	185°, 41%, 51%
HSV	185°, 56%, 71%
XYZ	26.5919, 34.9288, 49.0485
YIQ	146.1050, -57.9960, -17.2280

Conversions

Conversions Part 2

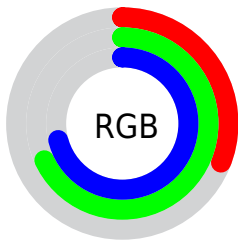
Format	Color
R_{YB}	80, 128, 181
Decimal	5287349
CIE _{Lab}	65.69, -25.11, -12.46
CIE _{LCh}	66, 28.030, 206.404
Yxy	34.9288, 0.2405, 0.3159
Android (android.graphics.Color)	4283477429 (0xFF50ADB5)
YUV	146.1050, 17.2032, -57.9741
Hunter-Lab	59.1006, -23.1113, -7.8353

Details

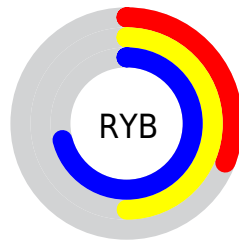
The Yxy color **34.9288, 0.2405, 0.3159** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.3811, 0.4699, 0.3404**, and the grayscale version is **28.7378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5563, 0.2541, 0.3192**, and **14.9915, 0.2195, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **33.6995, 0.2323, 0.3132**, and if you desaturate by 10%, it is **36.3788, 0.2505, 0.3185**.

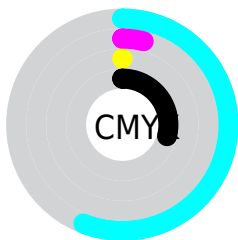
Distribution



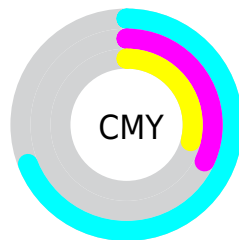
- Red (31%)
- Green (68%)
- Blue (71%)



- Red (31%)
- Yellow (50%)
- Blue (71%)



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)





- Cyan (69%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9288, 0.2405, 0.3159 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 34.9288, 0.2405, 0.3159 by changing the saturation by 10% instead.


 34.9288, 0.2405,
0.3159


 34.9288, 0.2405,
0.3159


324.2539, 0.2774,
0.3237

 23.6080, 0.2311,
0.3135


 67.3755, 0.2541,
0.3191

 15.0431, 0.2189,
0.3102


 89.2701, 0.2591,
0.3201

 8.8497, 0.2027,
0.3052


 115.4582, 0.2634,
0.3210

 4.6432, 0.1799,
0.2972

 146.3242, 0.2670,
0.3217

 2.0395, 0.1463,
0.2830

182.2523, 0.2701,
0.3224

 0.6303, 0.0000,
0.2719

223.6270, 0.2729,

 0.0000, 0.0000,

0.3229

0.0000

270.8328, 0.2753,
0.3233

■ 34.9288, 0.2405,
0.3159

■ 34.9288, 0.2405,
0.3159

■ 33.6995, 0.2323,
0.3132

■ 36.3788, 0.2505,
0.3185

■ 32.6694, 0.2260,
0.3105

■ 38.0611, 0.2621,
0.3211

■ 31.8197, 0.2215,
0.3079

■ 39.9911, 0.2750,
0.3235

■ 31.1245, 0.2187,
0.3052

■ 42.1817, 0.2891,
0.3258

■ 30.8545, 0.2178,
0.3041

■ 44.6451, 0.3039,
0.3279

■ 47.3924, 0.3192,
0.3298

■ 50.4342, 0.3348,
0.3315

■ 53.7808, 0.3503,
0.3331

■ 57.4416, 0.3657,
0.3345

Harmonies

Analogous

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



34.9288, 0.2658, 0.3584



34.9288, 0.2405, 0.3159



34.9288, 0.2335, 0.2813

Triad

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



34.9288, 0.2405, 0.3159



34.9288, 0.3164, 0.2746



34.9288, 0.3821, 0.3960

Complementary

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



34.9288, 0.2405, 0.3159



17.3811, 0.4699, 0.3404

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.



34.9288, 0.3986, 0.3685



34.9288, 0.2405, 0.3159



34.9288, 0.3595, 0.3007

Square

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



34.9288, 0.2405, 0.3159



34.9288, 0.2750, 0.2607



34.9288, 0.3904, 0.3341



34.9288, 0.3472, 0.4070

Rectangle

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



34.9288, 0.2405, 0.3159



34.9288, 0.2396, 0.2667



34.9288, 0.3904, 0.3341



34.9288, 0.3901, 0.3882

Sweetspot

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



34.9301, 0.2405, 0.3159



74.9418, 0.2869, 0.3254



35.4324, 0.3007, 0.4946



16.0259, 0.2841, 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.



34.9301, 0.2405, 0.3159



59.9042, 0.2306, 0.3126



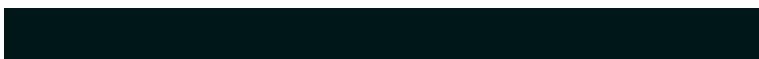
19.3997, 0.2223, 0.2291



9.5143, 0.2986, 0.3271



21.3209, 0.2179, 0.3045



0.7045, 0.2200, 0.3118

Inverse Universe

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



18.5792, 0.3288, 0.2073



28.2437, 0.3328, 0.1879



28.3592, 0.4251, 0.4089



8.6349, 0.3149, 0.3083



8.6925, 0.3415, 0.1655



0.2769, 0.3352, 0.1620

Previews

White Background



This preview shows how the Yxy color 34.9288, 0.2405, 0.3159 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 34.9288, 0.2405, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

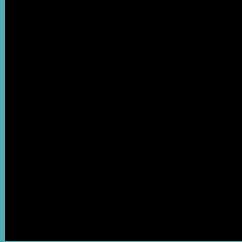
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

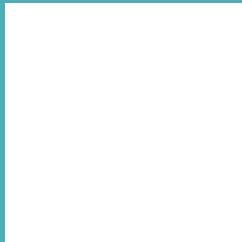
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.9288, 0.2405, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 34.9288, 0.2405, 0.3159.

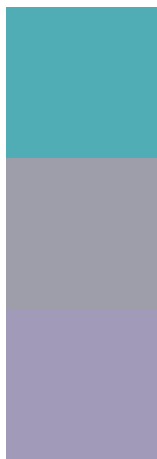


This preview shows how white text looks on a background with the Yxy color 34.9288, 0.2405, 0.3159.

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

34.9288, 0.2405, 0.3159

Protanopia

34.6631, 0.3013, 0.3101

Deuteranopia

34.5225, 0.2921, 0.2867



Tritanopia

34.8441, 0.2383, 0.3065

Trichromacy



Original Color

34.9288, 0.2405, 0.3159

Protanomaly

34.0354, 0.2740, 0.3105

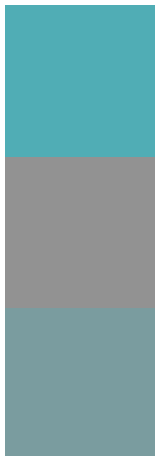
Deuteranomaly

34.2069, 0.2689, 0.2959

Tritanomaly

34.7151, 0.2389, 0.3095

Monochromacy



Original Color

34.9288, 0.2405, 0.3159

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.4177, 0.2788, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9288, 0.2405, 0.3159 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(80, 173, 181)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 173, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 181) }
```

Border

The CSS property to change the border of an element to Yxy 34.9288, 0.2405, 0.3159 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(80, 173, 181) }
```

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

```
.border{ border-color:rgb(80, 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(80, 173, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 181);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9288, 0.2405, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 173, 181) }
```

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

```
.background{ background-color: rgb(80, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor