

Converting Colors

$Y_{xy}(30.1048, 0.2439, 0.3151)$

Have a look what the booklet for
Yxy(30.1048, 0.2439, 0.3151)
contains.

Yxy(30.1036, 0.2439, 0.3151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1036, 0.2439, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	51A1A9
RGB	81, 161, 169
RGB Percent	32%, 63%, 66%
CMY	0.6824, 0.3686, 0.3371
CMYK	0.52, 0.05, 0.00, 0.34
HSL	185°, 35%, 49%
HSV	185°, 52%, 66%
XYZ	23.3014, 30.1036, 42.1317
YIQ	137.9920, -50.2480, -14.4720

Conversions

Conversions Part 2

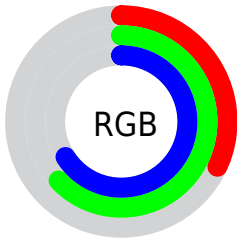
Format	Color
RYB	81, 123, 169
Decimal	5349801
CIELab	61.74, -22.17, -11.70
CIELCh	62, 25.066, 207.823
Yxy	30.1036, 0.2439, 0.3151
Android (android.graphics.Color)	4283539881 (0xFF51A1A9)
YUV	137.9920, 15.2869, -49.9820
Hunter-Lab	54.8667, -20.2095, -7.1215

Details

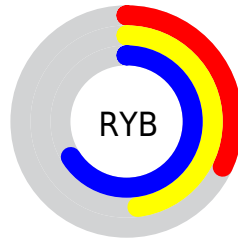
The Yxy color **30.1036, 0.2439, 0.3151** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1816, 0.4522, 0.3415**, and the grayscale version is **25.3684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8119, 0.2575, 0.3187**, and **12.3072, 0.2217, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **28.9132, 0.2349, 0.3120**, and if you desaturate by 10%, it is **31.4888, 0.2546, 0.3181**.

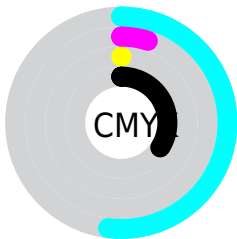
Distribution



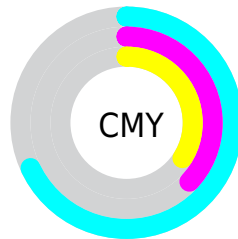
- Red (32%)
- Green (63%)
- Blue (66%)



- Red (32%)
- Yellow (48%)
- Blue (66%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (34%)





- Cyan (68%)
- Magenta (37%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1036, 0.2439, 0.3151 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 30.1036, 0.2439, 0.3151 by changing the saturation by 10% instead.


 30.1036, 0.2439,
0.3151


 30.1036, 0.2439,
0.3151


302.3871, 0.2800,
0.3234

 19.9172, 0.2344,
0.3125

 59.8260, 0.2574,
0.3185


 12.3349, 0.2219,
0.3088


 80.1308, 0.2623,
0.3196

 6.9722, 0.2048,
0.3033


 104.5772, 0.2665,
0.3206

 3.4447, 0.1801,
0.2941

 133.5496, 0.2700,
0.3213

 1.3681, 0.1408,
0.2773

 167.4324, 0.2730,
0.3220

 0.1930, 0.0000,
0.1579

206.6100, 0.2756,

 0.0000, 0.0000,

0.3225

0.0000

251.4667, 0.2779,
0.3230

■ 30.1036, 0.2439,
0.3151

■ 30.1036, 0.2439,
0.3151

■ 28.9132, 0.2349,
0.3120

■ 31.4888, 0.2546,
0.3181

■ 27.9001, 0.2276,
0.3089

■ 33.0780, 0.2668,
0.3210

■ 27.0493, 0.2223,
0.3058

■ 34.8838, 0.2802,
0.3237

■ 26.3418, 0.2187,
0.3028

■ 36.9169, 0.2946,
0.3262

■ 25.8494, 0.2168,
0.3004

■ 39.1874, 0.3095,
0.3285

■ 41.7044, 0.3249,
0.3307

■ 44.4768, 0.3404,
0.3326

■ 47.5129, 0.3557,
0.3343

■ 50.8209, 0.3708,
0.3358

Harmonies

Analogous

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



30.1036, 0.2671, 0.3548



30.1036, 0.2439, 0.3151



30.1036, 0.2381, 0.2830

Triad

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



30.1036, 0.2439, 0.3151



30.1036, 0.3183, 0.2785



30.1036, 0.3768, 0.3931

Complementary

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



30.1036, 0.2439, 0.3151



16.1816, 0.4522, 0.3415

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.



30.1036, 0.3932, 0.3679



30.1036, 0.2439, 0.3151



30.1036, 0.3584, 0.3038

Square

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



30.1036, 0.2439, 0.3151



30.1036, 0.2789, 0.2648



30.1036, 0.3866, 0.3356



30.1036, 0.3435, 0.4020

Rectangle

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



30.1036, 0.2439, 0.3151



30.1036, 0.2444, 0.2697



30.1036, 0.3866, 0.3356



30.1036, 0.3846, 0.3860

Sweetspot

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



30.1048, 0.2439, 0.3151



64.5099, 0.2884, 0.3252



30.8458, 0.3004, 0.4786



13.9054, 0.2856, 0.3247



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.1048, 0.2439, 0.3151



51.5621, 0.2340, 0.3117



17.4962, 0.2281, 0.2348



8.4133, 0.2987, 0.3269



19.2994, 0.2169, 0.3007



0.5023, 0.2197, 0.3108

Inverse Universe

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



16.8962, 0.3289, 0.2159



25.8445, 0.3329, 0.1970



25.6297, 0.4142, 0.4059



7.6546, 0.3151, 0.3087



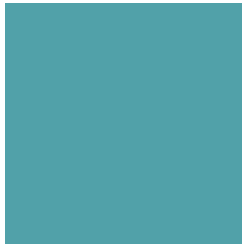
8.0193, 0.3448, 0.1673



0.1984, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 30.1036, 0.2439, 0.3151 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 30.1036, 0.2439, 0.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

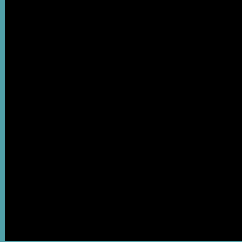
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1036, 0.2439, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 30.1036, 0.2439, 0.3151.

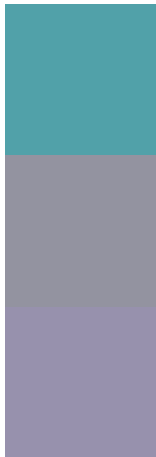


This preview shows how white text looks on a background with the Yxy color 30.1036, 0.2439, 0.3151.

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

30.1036, 0.2439, 0.3151

Protanopia

29.6085, 0.3005, 0.3088

Deuteranopia

29.8472, 0.2927, 0.2871



Tritanopia

29.9977, 0.2422, 0.3069

Trichromacy



Original Color

30.1036, 0.2439, 0.3151

Protanomaly

29.3118, 0.2759, 0.3110

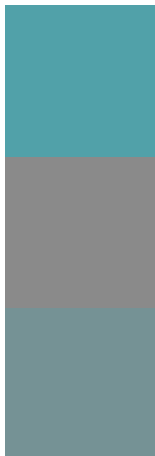
Deuteranomaly

29.5474, 0.2713, 0.2956

Tritanomaly

29.9140, 0.2423, 0.3085

Monochromacy



Original Color

30.1036, 0.2439, 0.3151

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.5096, 0.2814, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1036, 0.2439, 0.3151 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, 161, 169)` looks like.

```
.text, #text, p{  
    color:rgb(81, 161, 169)  
}
```

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, 161, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 161, 169) }
```

Border

The CSS property to change the border of an element to Yxy 30.1036, 0.2439, 0.3151 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, 161, 169) }
```

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

```
.border{ border-color:rgb(81, 161, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 161, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 161, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 161, 169);  
box-shadow:4px 4px 4px 4px rgb(81, 161,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1036, 0.2439, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 161, 169) }
```

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

```
.background{ background-color: rgb(81, 161,  
169) }
```

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