

Converting Colors

$Yxy(24.3948, 0.2347, 0.3065)$

Have a look what the booklet for
Yxy(24.3948, 0.2347, 0.3065)
contains.

Yxy(24.3948, 0.2347, 0.3065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.3948, 0.2347, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	3E939F
RGB	62, 147, 159
RGB Percent	24%, 58%, 62%
CMY	0.7566, 0.4235, 0.3765
CMYK	0.61, 0.08, 0.00, 0.38
HSL	187°, 44%, 43%
HSV	187°, 61%, 62%
XYZ	18.6801, 24.3948, 36.5166
YIQ	122.9530, -54.5120, -14.2880

Conversions

Conversions Part 2

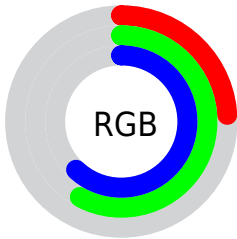
Format	Color
R _Y B	62, 107, 159
Decimal	4101023
CIE Lab	56.48, -21.71, -13.99
CIE LCh	56, 25.829, 212.788
Yxy	24.3948, 0.2347, 0.3065
Android (android.graphics.Color)	4282291103 (0xFF3E939F)
YUV	122.9530, 17.7712, -53.4558
Hunter-Lab	49.3911, -18.9242, -9.2614

Details

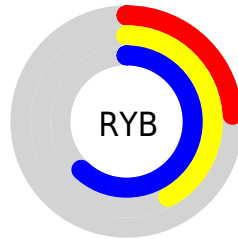
The Yxy color **24.3948, 0.2347, 0.3065** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.6227, 0.4851, 0.3476**, and the grayscale version is **19.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6214, 0.2507, 0.3113**, and **9.4485, 0.2154, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **23.3479, 0.2268, 0.3023**, and if you desaturate by 10%, it is **25.6044, 0.2443, 0.3107**.

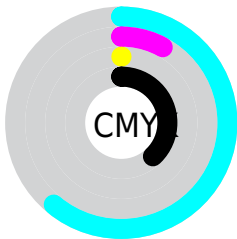
Distribution



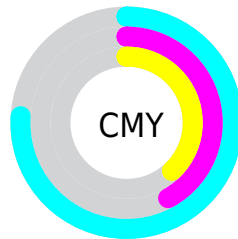
- Red (24%)
- Green (58%)
- Blue (62%)



- Red (24%)
- Yellow (42%)
- Blue (62%)



- Cyan (61%)
- Magenta (8%)
- Yellow (0%)
- Black (38%)





- Cyan (76%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3948, 0.2347, 0.3065 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 24.3948, 0.2347, 0.3065 by changing the saturation by 10% instead.


 24.3948, 0.2347,
0.3065


 24.3948, 0.2347,
0.3065


274.8104, 0.2767,
0.3200


 15.6267, 0.2232,
0.3022


 50.6737, 0.2507,
0.3120

 9.2604, 0.2079,
0.2960


 68.9533, 0.2565,
0.3139


 4.9114, 0.1865,
0.2865

 91.1723, 0.2613,
0.3154

 2.1954, 0.1550,
0.2704

 117.7149, 0.2654,
0.3167

 0.7175, 0.0530,
0.2503

 148.9656, 0.2688,
0.3177

 0.0000, 0.0000,
0.0000

185.3089, 0.2718,

0.3186

227.1290, 0.2744,
0.3193

■ 24.3948, 0.2347,
0.3065

■ 24.3948, 0.2347,
0.3065

■ 23.3479, 0.2268,
0.3023

■ 25.6044, 0.2443,
0.3107

■ 22.4473, 0.2208,
0.2980

■ 26.9859, 0.2556,
0.3147

■ 21.6780, 0.2166,
0.2938

■ 28.5510, 0.2682,
0.3186

■ 21.0611, 0.2139,
0.2900

■ 30.3095, 0.2818,
0.3222

■ 32.2705, 0.2963,
0.3256

■ 34.4427, 0.3113,
0.3287

■ 36.8338, 0.3265,
0.3315

■ 39.4516, 0.3417,
0.3341

■ 42.3033, 0.3568,
0.3363

Harmonies

Analogous

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



24.3948, 0.2570, 0.3501



24.3948, 0.2347, 0.3065



24.3948, 0.2318, 0.2737

Triad

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



24.3948, 0.2347, 0.3065



24.3948, 0.3263, 0.2775



24.3948, 0.3782, 0.4027

Complementary

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



24.3948, 0.2347, 0.3065



12.6227, 0.4851, 0.3476

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.



24.3948, 0.4002, 0.3767



24.3948, 0.2347, 0.3065



24.3948, 0.3697, 0.3065

Square

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



24.3948, 0.2347, 0.3065



24.3948, 0.2819, 0.2601



24.3948, 0.3975, 0.3418



24.3948, 0.3392, 0.4094

Rectangle

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



24.3948, 0.2347, 0.3065



24.3948, 0.2407, 0.2613



24.3948, 0.3975, 0.3418



24.3948, 0.3879, 0.3957

Sweetspot

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



24.3957, 0.2347, 0.3065



55.1777, 0.2855, 0.3231



26.3027, 0.2970, 0.5007



12.2293, 0.2816, 0.3222



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.3957, 0.2347, 0.3065



41.2422, 0.2245, 0.3008



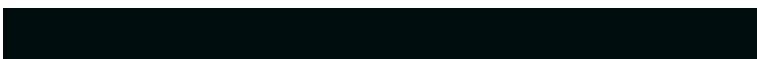
12.4945, 0.2130, 0.2091



7.3694, 0.2988, 0.3262



16.6799, 0.2140, 0.2903



0.3337, 0.2187, 0.3072

Inverse Universe

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



12.9286, 0.3369, 0.2046



19.6333, 0.3432, 0.1868



21.5958, 0.4311, 0.4212



6.7405, 0.3155, 0.3096



7.3061, 0.3540, 0.1724



0.1342, 0.3391, 0.1642

Previews

White Background



This preview shows how the Yxy color 24.3948, 0.2347, 0.3065 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3948, 0.2347, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

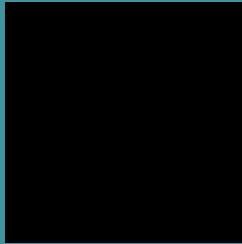
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3948, 0.2347, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 24.3948, 0.2347, 0.3065.

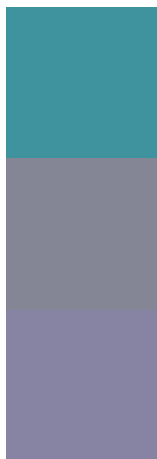


This preview shows how white text looks on a background with the Yxy color 24.3948, 0.2347, 0.3065.

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

24.3948, 0.2347, 0.3065

Protanopia

24.1577, 0.2944, 0.3020

Deuteranopia

24.1795, 0.2850, 0.2801



Tritanopia

24.3948, 0.2347, 0.3065

Trichromacy



Original Color

24.3948, 0.2347, 0.3065

Protanomaly

23.8909, 0.2678, 0.3040

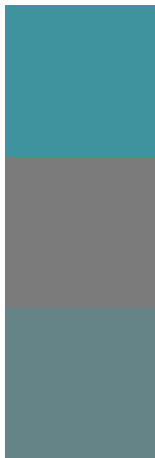
Deuteranomaly

23.6527, 0.2618, 0.2872

Tritanomaly

24.3948, 0.2347, 0.3065

Monochromacy



Original Color

24.3948, 0.2347, 0.3065

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.0468, 0.2757, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3948, 0.2347, 0.3065 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(62, 147, 159)` looks like.

```
.text, #text, p{  
    color:rgb(62, 147, 159)  
}
```

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(62, 147, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 147, 159) }
```

Border

The CSS property to change the border of an element to Yxy 24.3948, 0.2347, 0.3065 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(62, 147, 159) }
```

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

```
.border{ border-color:rgb(62, 147, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 147, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 147, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 147, 159);  
box-shadow:4px 4px 4px 4px rgb(62, 147,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3948, 0.2347, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 147, 159) }
```

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

```
.background{ background-color: rgb(62, 147,  
159) }
```

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