

Converting Colors

$Yxy(23.4400, 0.2189, 0.3078)$

Have a look what the booklet for
Yxy(23.4400, 0.2189, 0.3078)
contains.

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Color

Yxy(23.3425, 0.2188, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	01939E
RGB	1, 147, 158
RGB Percent	0%, 58%, 62%
CMY	0.9973, 0.4235, 0.3804
CMYK	1.00, 0.07, 0.00, 0.38
HSL	184°, 99%, 31%
HSV	184°, 100%, 62%
XYZ	16.6146, 23.3425, 35.9781
YIQ	104.6000, -90.5470, -27.5310

Conversions

Conversions Part 2

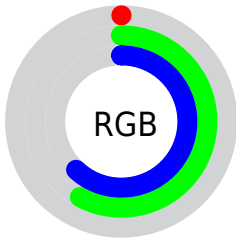
Format	Color
RYB	1, 77, 158
Decimal	103326
CIELab	55.42, -28.29, -15.12
CIELCh	55, 32.080, 208.129
Yxy	23.3425, 0.2188, 0.3074
Android (android.graphics.Color)	4278293406 (0xFF01939E)
YUV	104.6000, 26.3262, -90.8572
Hunter-Lab	48.3141, -23.1656, -10.3317

Details

The Yxy color **23.3425, 0.2188, 0.3074** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.5259, 0.6331, 0.3348**, and the grayscale version is **13.9332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8015, 0.2379, 0.3120**, and **9.4273, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **23.3242, 0.2187, 0.3073**, and if you desaturate by 10%, it is **23.7984, 0.2212, 0.3097**.

Distribution



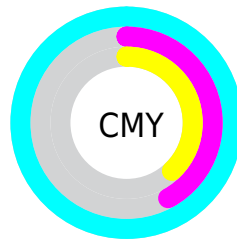
- Red (0%)
- Green (58%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (38%)




- Cyan (100%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3425, 0.2188, 0.3074 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 23.3425, 0.2188, 0.3074 by changing the saturation by 10% instead.


 23.3425, 0.2188,
0.3074


 23.3425, 0.2188,
0.3074


 269.4793, 0.2694,
0.3210


 14.8466, 0.2051,
0.3028


 48.9551, 0.2380,
0.3131


 8.7118, 0.1868,
0.2961


 66.8406, 0.2450,
0.3150

 4.5537, 0.1617,
0.2854

 88.6248, 0.2508,
0.3166

 1.9879, 0.1255,
0.2667

 114.6920, 0.2557,
0.3178

 0.6004, 0.0000,
0.2382

 145.4267, 0.2598,
0.3188

 0.0000, 0.0000,
0.0000

 181.2132, 0.2634,

0.3196

222.4359, 0.2666,
0.3204

■ 23.3425, 0.2188,
0.3074

■ 23.3425, 0.2188,
0.3074

■ 23.3242, 0.2187,
0.3073

■ 23.7984, 0.2212,
0.3097

■ 24.3439, 0.2250,
0.3120

■ 25.0144, 0.2306,
0.3143

■ 25.8250, 0.2381,
0.3167

■ 26.7890, 0.2473,
0.3190

■ 27.9177, 0.2582,
0.3212

■ 29.2218, 0.2705,
0.3234

■ 30.7107, 0.2840,
0.3254

■ 32.3932, 0.2984,
0.3273

Harmonies

Analogous

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



23.3425, 0.2490, 0.3643



23.3425, 0.2188, 0.3074



23.3425, 0.2119, 0.2642

Triad

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



23.3425, 0.2188, 0.3074



23.3425, 0.3202, 0.2612



23.3425, 0.4000, 0.4165

Complementary

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



23.3425, 0.2188, 0.3074



7.5259, 0.6331, 0.3348

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.



23.3425, 0.4243, 0.3802



23.3425, 0.2188, 0.3074



23.3425, 0.3767, 0.2944

Square

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



23.3425, 0.2188, 0.3074



23.3425, 0.2662, 0.2426



23.3425, 0.4163, 0.3364



23.3425, 0.3530, 0.4320

Rectangle

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



23.3425, 0.2188, 0.3074



23.3425, 0.2203, 0.2474



23.3425, 0.4163, 0.3364



23.3425, 0.4112, 0.4060

Sweetspot

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



23.3433, 0.2188, 0.3074



52.8096, 0.2692, 0.3232



24.4834, 0.2986, 0.5945



11.6879, 0.2642, 0.3223



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.



23.3433, 0.2188, 0.3074



42.2338, 0.2186, 0.3069



6.7112, 0.1721, 0.1392



7.4301, 0.2988, 0.3274



18.7034, 0.2188, 0.3075



0.3557, 0.2213, 0.3167

Inverse Universe

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



9.3909, 0.3389, 0.1643



17.0116, 0.3394, 0.1643



14.5543, 0.5190, 0.4256



6.7466, 0.3148, 0.3085



7.5103, 0.3389, 0.1640



0.1364, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 23.3425, 0.2188, 0.3074 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 23.3425, 0.2188, 0.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

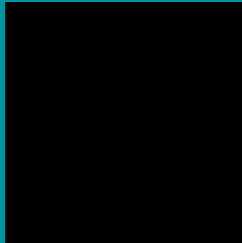
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3425, 0.2188, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 23.3425, 0.2188, 0.3074.



This preview shows how white text looks on a background with the Yxy color 23.3425, 0.2188, 0.3074.

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

23.3425, 0.2188, 0.3074

Protanopia

23.1165, 0.2941, 0.2999

Deuteranopia

23.0550, 0.2806, 0.2744



Tritanopia

23.4287, 0.2192, 0.3056

Trichromacy



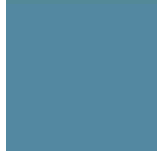
Original Color

23.3425, 0.2188, 0.3074



Protanomaly

21.9973, 0.2485, 0.3006



Deuteranomaly

22.0205, 0.2417, 0.2830



Tritanomaly

23.4094, 0.2189, 0.3056

Monochromacy



Original Color

23.3425, 0.2188, 0.3074



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.0815, 0.2521, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3425, 0.2188, 0.3074 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(1, 147, 158)` looks like.

```
.text, #text, p{  
    color:rgb(1, 147, 158)  
}
```

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(1, 147, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 147, 158) }
```

Border

The CSS property to change the border of an element to Yxy 23.3425, 0.2188, 0.3074 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(1, 147, 158) }
```

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

```
.border{ border-color:rgb(1, 147, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 147, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 147, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 147, 158);  
box-shadow:4px 4px 4px 4px rgb(1, 147,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3425, 0.2188, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 147, 158) }
```

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

```
.background{ background-color: rgb(1, 147,  
158) }
```

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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