

Converting Colors

$Yxy(22.9298, 0.2189, 0.3072)$

Have a look what the booklet for
Yxy(22.9298, 0.2189, 0.3072)
contains.

Yxy(23.0050, 0.2189, 0.3073)	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(23.0050, 0.2189, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	02929D
RGB	2, 146, 157
RGB Percent	1%, 57%, 62%
CMY	0.9928, 0.4274, 0.3844
CMYK	0.99, 0.07, 0.00, 0.38
HSL	184°, 98%, 31%
HSV	184°, 99%, 62%
XYZ	16.3872, 23.0050, 35.4695
YIQ	104.1980, -89.3550, -27.1070

Conversions

Conversions Part 2

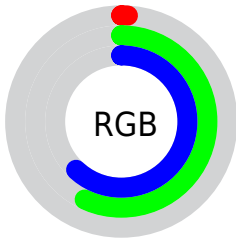
Format	Color
RYB	2, 77, 157
Decimal	168605
CIELab	55.08, -28.08, -15.07
CIELCh	55, 31.868, 208.214
Yxy	23.0050, 0.2189, 0.3073
Android (android.graphics.Color)	4278358685 (0xFF02929D)
YUV	104.1980, 26.0314, -89.6276
Hunter-Lab	47.9635, -22.9498, -10.2710

Details

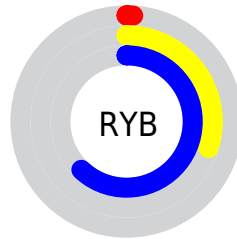
The Yxy color **23.0050, 0.2189, 0.3073** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.4545, 0.6314, 0.3349**, and the grayscale version is **13.8339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2357, 0.2377, 0.3119**, and **9.2250, 0.2161, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **22.9536, 0.2186, 0.3070**, and if you desaturate by 10%, it is **23.4625, 0.2214, 0.3096**.

Distribution



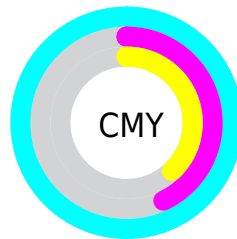
- Red (1%)
- Green (57%)
- Blue (62%)



- Red (1%)
- Yellow (30%)
- Blue (62%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (38%)




- Cyan (99%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0050, 0.2189, 0.3073 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 23.0050, 0.2189, 0.3073 by changing the saturation by 10% instead.


 23.0050, 0.2189,
0.3073


 23.0050, 0.2189,
0.3073


 267.7507, 0.2695,
0.3210


 14.5972, 0.2051,
0.3027


 48.4015, 0.2382,
0.3131

 8.5372, 0.1867,
0.2959


 66.1591, 0.2452,
0.3150


 4.4406, 0.1614,
0.2850

 87.8020, 0.2509,
0.3165

 1.9229, 0.1248,
0.2660

 113.7146, 0.2558,
0.3177

 0.5621, 0.0000,
0.2331

 144.2814, 0.2600,
0.3188

 0.0000, 0.0000,
0.0000

 179.8868, 0.2636,

0.3196

220.9150, 0.2668,
0.3203

■ 23.0050, 0.2189,
0.3073

■ 23.0050, 0.2189,
0.3073

■ 22.9536, 0.2186,
0.3070

■ 23.4625, 0.2214,
0.3096

■ 24.0132, 0.2253,
0.3120

■ 24.6884, 0.2311,
0.3143

■ 25.5029, 0.2387,
0.3167

■ 26.4693, 0.2480,
0.3190

■ 27.5990, 0.2590,
0.3213

■ 28.9022, 0.2715,
0.3235

■ 30.3881, 0.2850,
0.3255

■ 32.0655, 0.2995,
0.3274

Harmonies

Analogous

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



23.0050, 0.2490, 0.3641



23.0050, 0.2189, 0.3073



23.0050, 0.2121, 0.2642

Triad

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



23.0050, 0.2189, 0.3073



23.0050, 0.3203, 0.2614



23.0050, 0.3997, 0.4165

Complementary

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



23.0050, 0.2189, 0.3073



7.4545, 0.6314, 0.3349

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.



23.0050, 0.4241, 0.3802



23.0050, 0.2189, 0.3073



23.0050, 0.3768, 0.2946

Square

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



23.0050, 0.2189, 0.3073



23.0050, 0.2665, 0.2427



23.0050, 0.4162, 0.3366



23.0050, 0.3528, 0.4318

Rectangle

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



23.0050, 0.2189, 0.3073



23.0050, 0.2205, 0.2475



23.0050, 0.4162, 0.3366



23.0050, 0.4110, 0.4059

Sweetspot

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



23.0058, 0.2189, 0.3073



51.3364, 0.2692, 0.3231



24.1490, 0.2986, 0.5938



11.0925, 0.2643, 0.3223



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.0058, 0.2189, 0.3073



40.9963, 0.2185, 0.3066



6.7114, 0.1727, 0.1407



7.4291, 0.2988, 0.3274



18.6680, 0.2187, 0.3072



0.3553, 0.2213, 0.3166

Inverse Universe

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



9.2826, 0.3390, 0.1647



16.5359, 0.3396, 0.1645



14.4430, 0.5175, 0.4260



6.7465, 0.3148, 0.3085



7.5068, 0.3391, 0.1642



0.1364, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 23.0050, 0.2189, 0.3073 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 23.0050, 0.2189, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

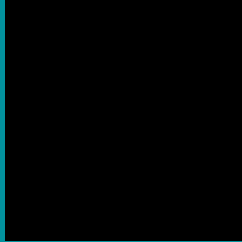
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0050, 0.2189, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 23.0050, 0.2189, 0.3073.

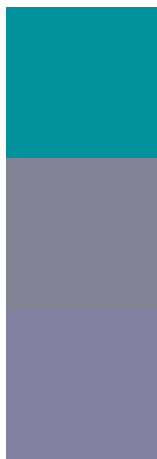


This preview shows how white text looks on a background with the Yxy color 23.0050, 0.2189, 0.3073.

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

23.0050, 0.2189, 0.3073

Protanopia

22.7390, 0.2940, 0.2998

Deuteranopia

22.6787, 0.2804, 0.2740



Tritanopia

23.0780, 0.2190, 0.3054

Trichromacy



Original Color

23.0050, 0.2189, 0.3073



Protanomaly

21.6817, 0.2489, 0.3005



Deuteranomaly

21.7050, 0.2420, 0.2828



Tritanomaly

23.0651, 0.2188, 0.3054

Monochromacy



Original Color

23.0050, 0.2189, 0.3073



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

15.8170, 0.2526, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0050, 0.2189, 0.3073 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(2, 146, 157)` looks like.

```
.text, #text, p{  
    color:rgb(2, 146, 157)  
}
```

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(2, 146, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 146, 157) }
```

Border

The CSS property to change the border of an element to Yxy 23.0050, 0.2189, 0.3073 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(2, 146, 157) }
```

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

```
.border{ border-color:rgb(2, 146, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 146, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 146, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 146, 157);  
box-shadow:4px 4px 4px 4px rgb(2, 146,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0050, 0.2189, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 146, 157) }
```

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

```
.background{ background-color: rgb(2, 146,  
157) }
```

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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