

Converting Colors

$Yxy(25.1661, 0.2018, 0.2868)$

Have a look what the booklet for
Yxy(25.1661, 0.2018, 0.2868)
contains.

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Color

Yxy(25.9171, 0.2131, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	0099B0
RGB	0, 153, 176
RGB Percent	0%, 60%, 69%
CMY	1.0000, 0.4000, 0.3098
CMYK	1.00, 0.13, 0.00, 0.31
HSL	188°, 100%, 35%
HSV	188°, 100%, 69%
XYZ	19.2236, 25.9171, 45.0685
YIQ	109.8750, -98.5710, -25.2830

Conversions

Conversions Part 2

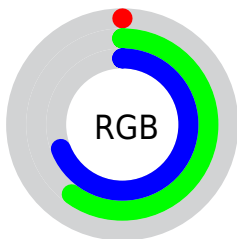
Format	Color
RYB	0, 82, 176
Decimal	39344
CIELab	57.96, -25.29, -21.54
CIElCh	58, 33.217, 220.417
Yxy	25.9171, 0.2131, 0.2873
Android (android.graphics.Color)	4278229424 (0xFF0099B0)
YUV	109.8750, 32.5996, -96.3604
Hunter-Lab	50.9088, -21.6875, -16.8520

Details

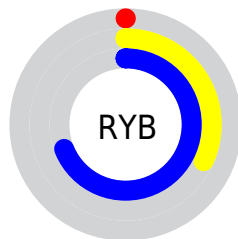
The Yxy color **25.9171, 0.2131, 0.2873** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8441, 0.6281, 0.3395**, and the grayscale version is **15.4836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3176, 0.2325, 0.2970**, and **10.9328, 0.2099, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **25.9212, 0.2131, 0.2873**, and if you desaturate by 10%, it is **26.8062, 0.2161, 0.2918**.

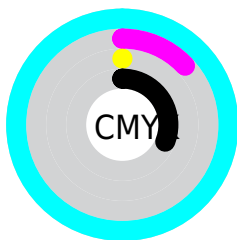
Distribution



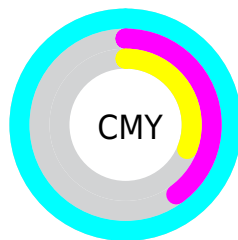
- Red (0%)
- Green (60%)
- Blue (69%)



- Red (0%)
- Yellow (32%)
- Blue (69%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9171, 0.2131, 0.2873 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 25.9171, 0.2131, 0.2873 by changing the saturation by 10% instead.


 25.9171, 0.2131,
0.2873


 25.9171, 0.2131,
0.2873


282.3749, 0.2655,
0.3116


 16.7616, 0.1994,
0.2800


 53.1412, 0.2327,
0.2970


 10.0647, 0.1815,
0.2698


 71.9786, 0.2399,
0.3004


 5.4419, 0.1576,
0.2548

 94.8121, 0.2459,
0.3032

 2.5088, 0.1244,
0.2312

 122.0261, 0.2510,
0.3054

 0.8810, 0.0491,
0.1967

 154.0050, 0.2554,
0.3073

 0.0000, 0.0000,
0.0000

 191.1331, 0.2592,

0.3090

233.7950, 0.2626,
0.3104

■ 25.9171, 0.2131,
0.2873

■ 25.9171, 0.2131,
0.2873

■ 25.9212, 0.2131,
0.2873

■ 26.8062, 0.2161,
0.2918

■ 27.8172, 0.2205,
0.2963

■ 28.9974, 0.2267,
0.3009

■ 30.3673, 0.2348,
0.3054

■ 31.9441, 0.2447,
0.3099

■ 33.7433, 0.2562,
0.3142

■ 35.7784, 0.2690,
0.3183

■ 38.0621, 0.2829,
0.3221

■ 40.6061, 0.2976,
0.3257

Harmonies

Analogous

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



25.9171, 0.2340, 0.3405



25.9171, 0.2131, 0.2873



25.9171, 0.2159, 0.2527

Triad

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



25.9171, 0.2131, 0.2873



25.9171, 0.3441, 0.2733



25.9171, 0.3827, 0.4263

Complementary

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



25.9171, 0.2131, 0.2873



9.8441, 0.6281, 0.3395

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.



25.9171, 0.4179, 0.3966



25.9171, 0.2131, 0.2873



25.9171, 0.3961, 0.3110

Square

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



25.9171, 0.2131, 0.2873



25.9171, 0.2869, 0.2481



25.9171, 0.4238, 0.3546



25.9171, 0.3305, 0.4289

Rectangle

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



25.9171, 0.2131, 0.2873



25.9171, 0.2305, 0.2419



25.9171, 0.4238, 0.3546



25.9171, 0.3970, 0.4186

Sweetspot

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



25.9212, 0.2131, 0.2873



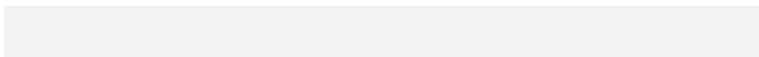
64.6770, 0.2683, 0.3181



31.1072, 0.2975, 0.5910



13.6783, 0.2629, 0.3164



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



25.9212, 0.2131, 0.2873



46.7678, 0.2129, 0.2865



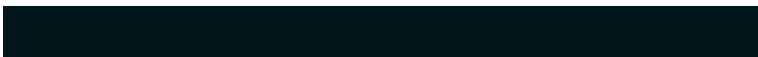
7.2055, 0.1673, 0.1221



9.4383, 0.2986, 0.3259



19.0771, 0.2133, 0.2878



0.6526, 0.2168, 0.3003

Inverse Universe

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



11.5316, 0.3568, 0.1739



20.8877, 0.3575, 0.1743



20.0707, 0.5066, 0.4359



8.6272, 0.3157, 0.3094



8.4660, 0.3563, 0.1737



0.2717, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 25.9171, 0.2131, 0.2873 looks on a white background.

Color Contrast Check

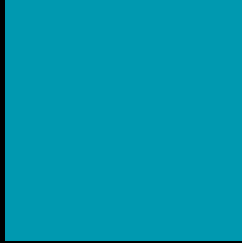
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9171, 0.2131, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

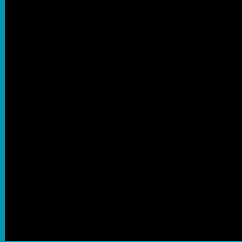
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9171, 0.2131, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 25.9171, 0.2131, 0.2873.



This preview shows how white text looks on a background with the Yxy color 25.9171, 0.2131, 0.2873.

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

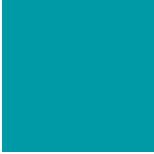
25.9171, 0.2131, 0.2873

Protanopia

25.5945, 0.2817, 0.2837

Deuteranopia

25.6494, 0.2661, 0.2600



Tritanopia

25.8644, 0.2185, 0.3065

Trichromacy



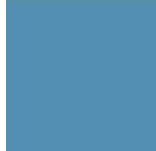
Original Color

25.9171, 0.2131, 0.2873



Protanomaly

24.4408, 0.2401, 0.2831



Deuteranomaly

24.4397, 0.2322, 0.2655



Tritanomaly

26.0135, 0.2165, 0.2994

Monochromacy



Original Color

25.9171, 0.2131, 0.2873



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.9450, 0.2485, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9171, 0.2131, 0.2873 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(0, 153, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 176)  
}
```

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(0, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 176) }
```

Border

The CSS property to change the border of an element to Yxy 25.9171, 0.2131, 0.2873 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(0, 153, 176) }
```

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

```
.border{ border-color:rgb(0, 153, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9171, 0.2131, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 176) }
```

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

```
.background{ background-color: rgb(0, 153,  
176) }
```

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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