

Converting Colors

$Y_{xy}(27.8971, 0.2303, 0.3233)$

Have a look what the booklet for
Yxy(27.8971, 0.2303, 0.3233)
contains.

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Color

Yxy(27.8971, 0.2303, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	2A9FA2
RGB	42, 159, 162
RGB Percent	16%, 62%, 64%
CMY	0.8355, 0.3764, 0.3647
CMYK	0.74, 0.02, 0.00, 0.36
HSL	181°, 59%, 40%
HSV	181°, 74%, 64%
XYZ	19.8723, 27.8971, 38.5192
YIQ	124.3590, -70.6950, -23.8710

Conversions

Conversions Part 2

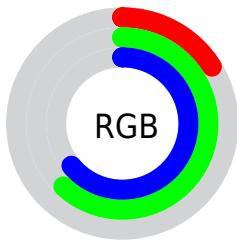
Format	Color
RYB	42, 101, 162
Decimal	2793378
CIELab	59.80, -29.94, -10.77
CIELCh	60, 31.822, 199.778
Yxy	27.8971, 0.2303, 0.3233
Android (android.graphics.Color)	4280983458 (0xFF2A9FA2)
YUV	124.3590, 18.5570, -72.2288
Hunter-Lab	52.8177, -25.2717, -6.2670

Details

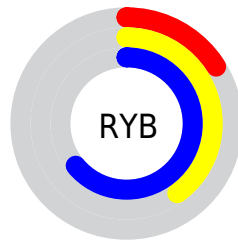
The Yxy color **27.8971, 0.2303, 0.3233** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7194, 0.5571, 0.3331**, and the grayscale version is **20.2309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2910, 0.2467, 0.3248**, and **11.6412, 0.2225, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **27.4847, 0.2261, 0.3225**, and if you desaturate by 10%, it is **28.4500, 0.2363, 0.3241**.

Distribution



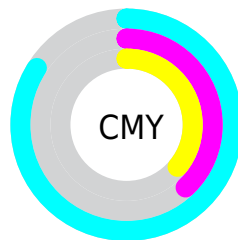
- Red (16%)
- Green (62%)
- Blue (64%)



- Red (16%)
- Yellow (40%)
- Blue (64%)



- Cyan (74%)
- Magenta (2%)
- Yellow (0%)
- Black (36%)





- Cyan (84%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8971, 0.2303, 0.3233 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 27.8971, 0.2303, 0.3233 by changing the saturation by 10% instead.


 27.8971, 0.2303,
0.3233


 27.8971, 0.2303,
0.3233


291.9749, 0.2739,
0.3276


 18.2481, 0.2187,
0.3216


 56.3201, 0.2467,
0.3253

 11.1283, 0.2035,
0.3190


 75.8629, 0.2526,
0.3259

 6.1532, 0.1826,
0.3147

 99.4725, 0.2576,
0.3264

 2.9384, 0.1525,
0.3066

 127.5331, 0.2619,
0.3267

 1.0997, 0.0811,
0.2977

 160.4293, 0.2655,
0.3270

 0.0000, 0.0000,
0.0000

198.5454, 0.2687,

0.3272

242.2658, 0.2714,
0.3274

■ 27.8971, 0.2303,
0.3233

■ 27.8971, 0.2303,
0.3233

■ 27.4847, 0.2261,
0.3225

■ 28.4500, 0.2363,
0.3241

■ 27.1919, 0.2236,
0.3217

■ 29.1552, 0.2442,
0.3250

■ 27.0492, 0.2226,
0.3212

■ 30.0267, 0.2539,
0.3258

■ 31.0760, 0.2652,
0.3266

■ 32.3137, 0.2779,
0.3273

■ 33.7496, 0.2917,
0.3281

■ 35.3926, 0.3065,
0.3287

■ 37.2513, 0.3218,
0.3294

■ 39.3337, 0.3374,
0.3299

Harmonies

Analogous

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



27.8971, 0.2645, 0.3765



27.8971, 0.2303, 0.3233



27.8971, 0.2174, 0.2779

Triad

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



27.8971, 0.2303, 0.3233



27.8971, 0.3049, 0.2587



27.8971, 0.4036, 0.4033

Complementary

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



27.8971, 0.2303, 0.3233



9.7194, 0.5571, 0.3331

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.



27.8971, 0.4183, 0.3665



27.8971, 0.2303, 0.3233



27.8971, 0.3587, 0.2868

Square

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



27.8971, 0.2303, 0.3233



27.8971, 0.2574, 0.2457



27.8971, 0.4018, 0.3249



27.8971, 0.3645, 0.4240

Rectangle

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



27.8971, 0.2303, 0.3233



27.8971, 0.2213, 0.2580



27.8971, 0.4018, 0.3249



27.8971, 0.4117, 0.3922

Sweetspot

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



27.8981, 0.2303, 0.3233



59.0796, 0.2801, 0.3275



26.5129, 0.3011, 0.5573



13.1287, 0.2767, 0.3273



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.8981, 0.2303, 0.3233



49.5247, 0.2243, 0.3220



12.2075, 0.2000, 0.2030



7.9808, 0.2988, 0.3284



21.3198, 0.2226, 0.3213



0.4568, 0.2234, 0.3242

Inverse Universe

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



11.8362, 0.3245, 0.1747



19.0719, 0.3263, 0.1612



17.7424, 0.4763, 0.4170



7.1991, 0.3141, 0.3074



7.9964, 0.3271, 0.1576



0.1689, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 27.8971, 0.2303, 0.3233 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 27.8971, 0.2303, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

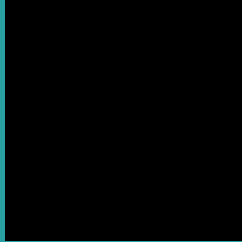
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8971, 0.2303, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 27.8971, 0.2303, 0.3233.

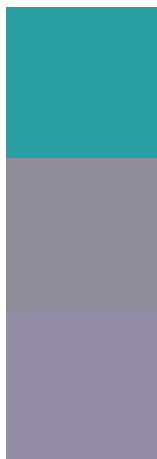


This preview shows how white text looks on a background with the Yxy color 27.8971, 0.2303, 0.3233.

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

27.8971, 0.2303, 0.3233

Protanopia

27.4526, 0.3040, 0.3130

Deuteranopia

27.6203, 0.2939, 0.2887



Tritanopia

27.9844, 0.2274, 0.3074

Trichromacy



Original Color

27.8971, 0.2303, 0.3233



Protanomaly

26.6443, 0.2664, 0.3150



Deuteranomaly

26.7722, 0.2609, 0.2984



Tritanomaly

27.8246, 0.2284, 0.3126

Monochromacy



Original Color

27.8971, 0.2303, 0.3233



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.1060, 0.2684, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8971, 0.2303, 0.3233 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(42, 159, 162)` looks like.

```
.text, #text, p{  
    color:rgb(42, 159, 162)  
}
```

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(42, 159, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 159, 162) }
```

Border

The CSS property to change the border of an element to Yxy 27.8971, 0.2303, 0.3233 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(42, 159, 162) }
```

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

```
.border{ border-color:rgb(42, 159, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 159, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 159, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 159, 162);  
box-shadow:4px 4px 4px 4px rgb(42, 159,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8971, 0.2303, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 159, 162) }
```

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

```
.background{ background-color: rgb(42, 159,  
162) }
```

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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