

Converting Colors

$Yxy(27.5894, 0.2227, 0.3215)$

Have a look what the booklet for
Yxy(27.5894, 0.2227, 0.3215)
contains.

Yxy(27.4471, 0.2227, 0.3213)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.4471, 0.2227, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	019FA3
RGB	1, 159, 163
RGB Percent	0%, 62%, 64%
CMY	0.9954, 0.3765, 0.3607
CMYK	0.99, 0.02, 0.00, 0.36
HSL	181°, 99%, 32%
HSV	181°, 99%, 64%
XYZ	19.0242, 27.4471, 38.9539
YIQ	112.2140, -95.4520, -32.2520

Conversions

Conversions Part 2

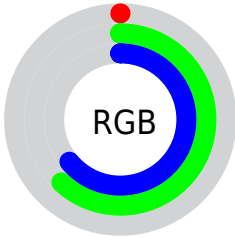
Format	Color
RYB	1, 81, 163
Decimal	106403
CIELab	59.39, -32.46, -12.00
CIELCh	59, 34.610, 200.294
Yxy	27.4471, 0.2227, 0.3213
Android (android.graphics.Color)	4278296483 (0xFF019FA3)
YUV	112.2140, 25.0375, -97.5347
Hunter-Lab	52.3900, -26.8644, -7.4113

Details

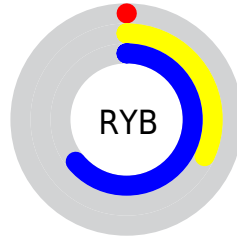
The Yxy color **27.4471, 0.2227, 0.3213** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.9039, 0.6365, 0.3316**, and the grayscale version is **16.2318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4822, 0.2402, 0.3234**, and **11.6631, 0.2217, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **27.4305, 0.2226, 0.3212**, and if you desaturate by 10%, it is **27.7037, 0.2246, 0.3221**.

Distribution



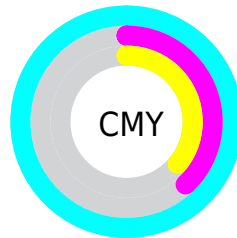
- Red (0%)
- Green (62%)
- Blue (64%)



- Red (0%)
- Yellow (32%)
- Blue (64%)



- Cyan (99%)
- Magenta (2%)
- Yellow (0%)
- Black (36%)




- Cyan (100%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4471, 0.2227, 0.3213 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 27.4471, 0.2227, 0.3213 by changing the saturation by 10% instead.


 27.4471, 0.2227,
0.3213

 27.4471, 0.2227,
0.3213


289.8154, 0.2702,
0.3269


 17.9093, 0.2101,
0.3191


 55.6005, 0.2405,
0.3239


 10.8849, 0.1936,
0.3158


 74.9849, 0.2470,
0.3247

 5.9895, 0.1712,
0.3103

 98.4202, 0.2525,
0.3253

 2.8387, 0.1392,
0.3003

 126.2909, 0.2571,
0.3258

 1.0481, 0.0541,
0.2908

 158.9814, 0.2611,
0.3261

 0.0000, 0.0000,
0.0000

 196.8761, 0.2645,

0.3265

240.3593, 0.2675,
0.3267

■ 27.4471, 0.2227,
0.3213

■ 27.4471, 0.2227,
0.3213

■ 27.4305, 0.2226,
0.3212

■ 27.7037, 0.2246,
0.3221

■ 28.0564, 0.2279,
0.3229

■ 28.5407, 0.2330,
0.3237

■ 29.1730, 0.2399,
0.3245

■ 29.9675, 0.2486,
0.3254

■ 30.9365, 0.2591,
0.3262

■ 32.0913, 0.2711,
0.3269

■ 33.4422, 0.2844,
0.3277

■ 34.9987, 0.2988,
0.3284

Harmonies

Analogous

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



27.4471, 0.2591, 0.3802



27.4471, 0.2227, 0.3213



27.4471, 0.2094, 0.2722

Triad

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



27.4471, 0.2227, 0.3213



27.4471, 0.3049, 0.2533



27.4471, 0.4110, 0.4099

Complementary

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



27.4471, 0.2227, 0.3213



7.9039, 0.6365, 0.3316

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.



27.4471, 0.4280, 0.3696



27.4471, 0.2227, 0.3213



27.4471, 0.3638, 0.2837

Square

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



27.4471, 0.2227, 0.3213



27.4471, 0.2532, 0.2389



27.4471, 0.4108, 0.3248



27.4471, 0.3677, 0.4331

Rectangle

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



27.4471, 0.2227, 0.3213



27.4471, 0.2139, 0.2511



27.4471, 0.4108, 0.3248



27.4471, 0.4202, 0.3977

Sweetspot

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



27.4481, 0.2227, 0.3213



57.1751, 0.2695, 0.3269



26.2172, 0.2997, 0.5981



12.6496, 0.2646, 0.3265



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.



27.4481, 0.2227, 0.3213



49.0671, 0.2225, 0.3211



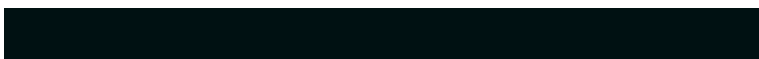
8.3024, 0.1766, 0.1551



7.9809, 0.2988, 0.3284



21.3235, 0.2226, 0.3213



0.4568, 0.2234, 0.3242

Inverse Universe

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



10.3172, 0.3271, 0.1579



18.4204, 0.3273, 0.1577



14.2558, 0.5330, 0.4142



7.1991, 0.3141, 0.3074



7.9967, 0.3271, 0.1576



0.1689, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 27.4471, 0.2227, 0.3213 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 27.4471, 0.2227, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

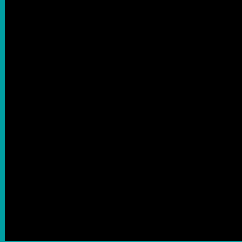
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4471, 0.2227, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 27.4471, 0.2227, 0.3213.

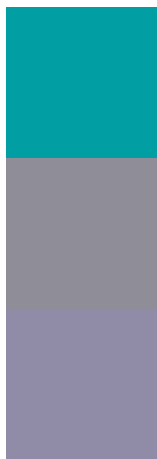


This preview shows how white text looks on a background with the Yxy color 27.4471, 0.2227, 0.3213.

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

27.4471, 0.2227, 0.3213

Protanopia

27.0675, 0.3030, 0.3113

Deuteranopia

27.1846, 0.2909, 0.2854



Tritanopia

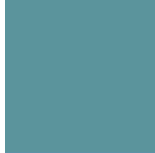
27.5882, 0.2209, 0.3054

Trichromacy



Original Color

27.4471, 0.2227, 0.3213



Protanomaly

25.8043, 0.2548, 0.3145



Deuteranomaly

25.5863, 0.2479, 0.2940



Tritanomaly

27.3910, 0.2212, 0.3105

Monochromacy



Original Color

27.4471, 0.2227, 0.3213



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.7169, 0.2536, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4471, 0.2227, 0.3213 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, 159, 163)` looks like.

```
.text, #text, p{  
    color:rgb(1, 159, 163)  
}
```

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, 159, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 159, 163) }
```

Border

The CSS property to change the border of an element to Yxy 27.4471, 0.2227, 0.3213 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, 159, 163) }
```

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

```
.border{ border-color:rgb(1, 159, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 159, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 159, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 159, 163);  
box-shadow:4px 4px 4px 4px rgb(1, 159,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4471, 0.2227, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 159, 163) }
```

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

```
.background{ background-color: rgb(1, 159,  
163) }
```

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