

Converting Colors

$Yxy(26.2323, 0.2029, 0.3261)$

Have a look what the booklet for
Yxy(26.2323, 0.2029, 0.3261)
contains.

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Color

Yxy(27.7148, 0.2241, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	00A0A1
RGB	0, 160, 161
RGB Percent	0%, 63%, 63%
CMY	1.0000, 0.3725, 0.3686
CMYK	1.00, 0.01, 0.00, 0.37
HSL	180°, 100%, 32%
HSV	180°, 100%, 63%
XYZ	18.9993, 27.7148, 38.0665
YIQ	112.2740, -95.6810, -33.6090

Conversions

Conversions Part 2

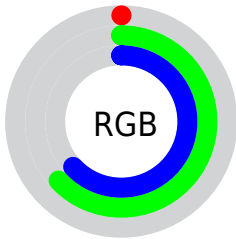
Format	Color
RYB	0, 80, 161
Decimal	41121
CIELab	59.63, -33.64, -10.50
CIElCh	60, 35.242, 197.328
Yxy	27.7148, 0.2241, 0.3269
Android (android.graphics.Color)	4278231201 (0xFF00A0A1)
YUV	112.2740, 24.0219, -98.4643
Hunter-Lab	52.6448, -27.7084, -6.0201

Details

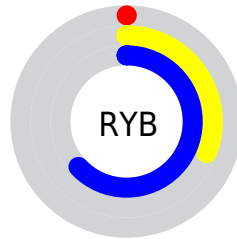
The Yxy color **27.7148, 0.2241, 0.3269** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.5987, 0.6395, 0.3304**, and the grayscale version is **16.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8859, 0.2414, 0.3274**, and **11.8509, 0.2232, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **27.7188, 0.2241, 0.3269**, and if you desaturate by 10%, it is **27.8642, 0.2258, 0.3271**.

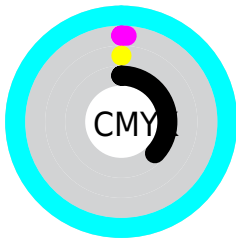
Distribution



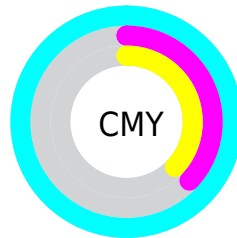
- Red (0%)
- Green (63%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7148, 0.2241, 0.3269 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 27.7148, 0.2241, 0.3269 by changing the saturation by 10% instead.

 27.7148, 0.2241,
0.3269


 27.7148, 0.2241,
0.3269


 291.1016, 0.2709,
0.3294


 18.1108, 0.2117,
0.3256


 56.0288, 0.2417,
0.3282


 11.0296, 0.1954,
0.3235


 75.5075, 0.2481,
0.3286

 6.0867, 0.1732,
0.3198

 99.0467, 0.2535,
0.3289

 2.8979, 0.1414,
0.3125

 127.0305, 0.2580,
0.3291

 1.0787, 0.0549,
0.3085

 159.8436, 0.2619,
0.3292

 0.0000, 0.0000,
0.0000

 197.8702, 0.2653,

0.3293

241.4947, 0.2683,
0.3294

■ 27.7148, 0.2241,
0.3269

■ 27.7148, 0.2241,
0.3269

■ 27.7188, 0.2241,
0.3269

■ 27.8642, 0.2258,
0.3271

■ 28.0978, 0.2288,
0.3273

■ 28.4576, 0.2335,
0.3275

■ 28.9598, 0.2401,
0.3277

■ 29.6182, 0.2485,
0.3279

■ 30.4448, 0.2587,
0.3282

■ 31.4507, 0.2704,
0.3284

■ 32.6459, 0.2835,
0.3286

■ 34.0397, 0.2977,
0.3288

Harmonies

Analogous

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



27.7148, 0.2630, 0.3866



27.7148, 0.2241, 0.3269



27.7148, 0.2083, 0.2753

Triad

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



27.7148, 0.2241, 0.3269



27.7148, 0.2990, 0.2501



27.7148, 0.4155, 0.4074

Complementary

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



27.7148, 0.2241, 0.3269



7.5987, 0.6395, 0.3304

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.



27.7148, 0.4296, 0.3656



27.7148, 0.2241, 0.3269



27.7148, 0.3588, 0.2795

Square

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



27.7148, 0.2241, 0.3269



27.7148, 0.2481, 0.2374



27.7148, 0.4087, 0.3202



27.7148, 0.3736, 0.4336

Rectangle

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



27.7148, 0.2241, 0.3269



27.7148, 0.2112, 0.2525



27.7148, 0.4087, 0.3202



27.7148, 0.4238, 0.3945

Sweetspot

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



27.7188, 0.2241, 0.3269



56.2142, 0.2697, 0.3284



25.4903, 0.3000, 0.6000



12.1657, 0.2649, 0.3283



80.7346, 0.3127, 0.3290



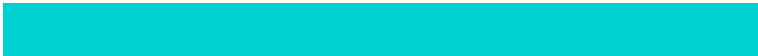
13.9985, 0.3127, 0.3290

Same Dimension

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



27.7188, 0.2241, 0.3269



49.6295, 0.2241, 0.3269



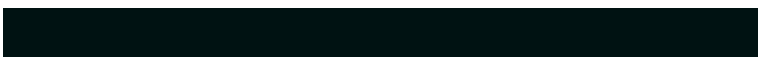
8.3842, 0.1776, 0.1595



8.0037, 0.2988, 0.3288



22.1401, 0.2242, 0.3269



0.4674, 0.2243, 0.3276

Inverse Universe

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



10.1157, 0.3224, 0.1550



18.1148, 0.3225, 0.1550



13.3882, 0.5392, 0.4101



7.2014, 0.3138, 0.3070



8.0792, 0.3224, 0.1550



0.1700, 0.3218, 0.1547

Previews

White Background



This preview shows how the Yxy color 27.7148, 0.2241, 0.3269 looks on a white background.

Color Contrast Check

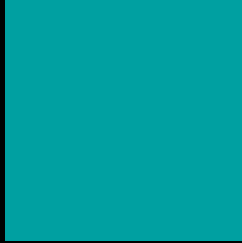
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7148, 0.2241, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

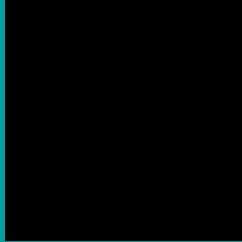
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7148, 0.2241, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 27.7148, 0.2241, 0.3269.

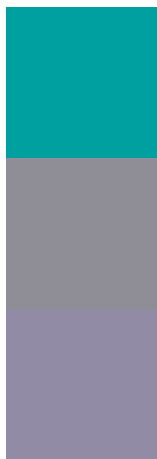


This preview shows how white text looks on a background with the Yxy color 27.7148, 0.2241, 0.3269.

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

27.7148, 0.2241, 0.3269

Protanopia

27.3877, 0.3059, 0.3161

Deuteranopia

27.3294, 0.2939, 0.2871



Tritanopia

27.6409, 0.2216, 0.3054

Trichromacy



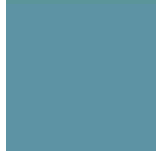
Original Color

27.7148, 0.2241, 0.3269



Protanomaly

26.0521, 0.2565, 0.3199



Deuteranomaly

25.8749, 0.2503, 0.2991



Tritanomaly

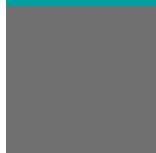
27.7149, 0.2224, 0.3142

Monochromacy



Original Color

27.7148, 0.2241, 0.3269



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.6518, 0.2536, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7148, 0.2241, 0.3269 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, 160, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 161)  
}
```

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, 160, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 161) }
```

Border

The CSS property to change the border of an element to Yxy 27.7148, 0.2241, 0.3269 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, 160, 161) }
```

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

```
.border{ border-color:rgb(0, 160, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7148, 0.2241, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 161) }
```

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

```
.background{ background-color: rgb(0, 160,  
161) }
```

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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