

Converting Colors

$Yxy(27.9781, 0.2233, 0.3238)$

Have a look what the booklet for
Yxy(27.9781, 0.2233, 0.3238)
contains.

Yxy(28.1341, 0.2236, 0.3251)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(28.1341, 0.2236, 0.3251)$

Conversions

Conversions Part 1

Format	Color
Hex	00A1A3
RGB	0, 161, 163
RGB Percent	0%, 63%, 64%
CMY	1.0000, 0.3686, 0.3608
CMYK	1.00, 0.01, 0.00, 0.36
HSL	181°, 100%, 32%
HSV	181°, 100%, 64%
XYZ	19.3503, 28.1341, 39.0554
YIQ	113.0890, -96.5980, -33.5100

Conversions

Conversions Part 2

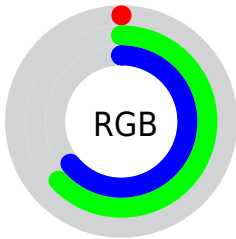
Format	Color
RYB	0, 81, 163
Decimal	41379
CIELab	60.01, -33.49, -11.05
CIELCh	60, 35.265, 198.264
Yxy	28.1341, 0.2236, 0.3251
Android (android.graphics.Color)	4278231459 (0xFF00A1A3)
YUV	113.0890, 24.6061, -99.1791
Hunter-Lab	53.0416, -27.7035, -6.5271

Details

The Yxy color **28.1341, 0.2236, 0.3251** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.8283, 0.6390, 0.3308**, and the grayscale version is **16.4903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5534, 0.2412, 0.3261**, and **12.0850, 0.2232, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **28.1382, 0.2236, 0.3251**, and if you desaturate by 10%, it is **28.3201, 0.2254, 0.3255**.

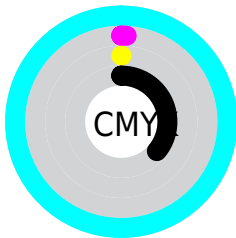
Distribution



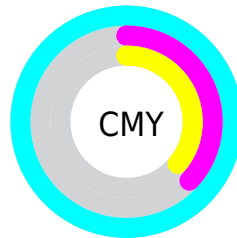
- Red (0%)
- Green (63%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (37%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1341, 0.2236, 0.3251 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 28.1341, 0.2236, 0.3251 by changing the saturation by 10% instead.


 28.1341, 0.2236,
0.3251


 28.1341, 0.2236,
0.3251


 293.1071, 0.2705,
0.3286


 18.4268, 0.2112,
0.3236


 56.6985, 0.2412,
0.3268


 11.2568, 0.1950,
0.3211


 76.3243, 0.2476,
0.3273


 6.2398, 0.1729,
0.3169


 100.0251, 0.2530,
0.3277

 2.9915, 0.1416,
0.3088

 128.1852, 0.2576,
0.3280

 1.1273, 0.0630,
0.3014

 161.1891, 0.2615,
0.3282

 0.0011, 0.0000,
0.0014

 199.4211, 0.2649,

 0.0000, 0.0000,

0.3284

0.0000

243.2657, 0.2679,
0.3285

■ 28.1341, 0.2236,
0.3251

■ 28.1341, 0.2236,
0.3251

■ 28.1382, 0.2236,
0.3251

■ 28.3201, 0.2254,
0.3255

■ 28.5933, 0.2284,
0.3259

■ 28.9963, 0.2332,
0.3263

■ 29.5459, 0.2398,
0.3267

■ 30.2563, 0.2483,
0.3271

■ 31.1399, 0.2585,
0.3275

■ 32.2082, 0.2703,
0.3279

■ 33.4713, 0.2835,
0.3283

■ 34.9390, 0.2977,
0.3287

Harmonies

Analogous

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



28.1341, 0.2617, 0.3846



28.1341, 0.2236, 0.3251



28.1341, 0.2086, 0.2743

Triad

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



28.1341, 0.2236, 0.3251



28.1341, 0.3008, 0.2510



28.1341, 0.4141, 0.4083

Complementary

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



28.1341, 0.2236, 0.3251



7.8283, 0.6390, 0.3308

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.



28.1341, 0.4292, 0.3669



28.1341, 0.2236, 0.3251



28.1341, 0.3605, 0.2808

Square

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



28.1341, 0.2236, 0.3251



28.1341, 0.2497, 0.2378



28.1341, 0.4094, 0.3217



28.1341, 0.3717, 0.4335

Rectangle

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



28.1341, 0.2236, 0.3251



28.1341, 0.2120, 0.2520



28.1341, 0.4094, 0.3217



28.1341, 0.4227, 0.3955

Sweetspot

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



28.1382, 0.2236, 0.3251



57.5751, 0.2696, 0.3279



26.1907, 0.3000, 0.6000



12.7511, 0.2647, 0.3277



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.



28.1382, 0.2236, 0.3251



50.3775, 0.2236, 0.3250



8.6026, 0.1776, 0.1593



7.9964, 0.2988, 0.3287



21.8768, 0.2237, 0.3251



0.4640, 0.2240, 0.3265

Inverse Universe

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



10.3591, 0.3239, 0.1558



18.5527, 0.3240, 0.1558



13.7441, 0.5393, 0.4100



7.2007, 0.3139, 0.3071



8.0526, 0.3239, 0.1558



0.1696, 0.3227, 0.1552

Previews

White Background



This preview shows how the Yxy color 28.1341, 0.2236, 0.3251 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 28.1341, 0.2236, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

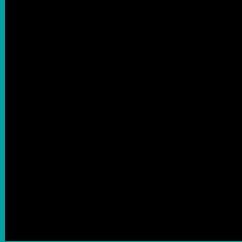
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1341, 0.2236, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 28.1341, 0.2236, 0.3251.

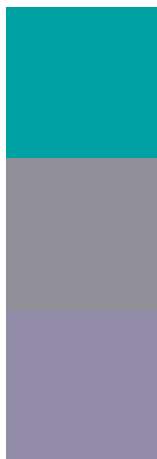


This preview shows how white text looks on a background with the Yxy color 28.1341, 0.2236, 0.3251.

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

28.1341, 0.2236, 0.3251

Protanopia

27.8412, 0.3050, 0.3146

Deuteranopia

27.6943, 0.2921, 0.2858



Tritanopia

28.3918, 0.2214, 0.3057

Trichromacy



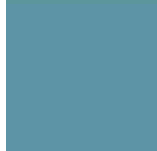
Original Color

28.1341, 0.2236, 0.3251



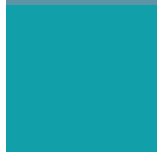
Protanomaly

26.4883, 0.2561, 0.3182



Deuteranomaly

26.2601, 0.2492, 0.2976



Tritanomaly

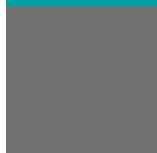
28.1254, 0.2218, 0.3125

Monochromacy



Original Color

28.1341, 0.2236, 0.3251



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.9817, 0.2539, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1341, 0.2236, 0.3251 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, 161, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 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(0, 161, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 163) }
```

Border

The CSS property to change the border of an element to Yxy 28.1341, 0.2236, 0.3251 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, 161, 163) }
```

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

```
.border{ border-color:rgb(0, 161, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1341, 0.2236, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 163) }
```

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

```
.background{ background-color: rgb(0, 161,  
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](#).

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