

Converting Colors

$Y_{xy}(10.6589, 0.2236, 0.3268)$

Have a look what the booklet for
Yxy(10.6589, 0.2236, 0.3268)
contains.

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Color

$Y_{xy}(10.7000, 0.2239, 0.3260)$

Conversions

Conversions Part 1

Format	Color
Hex	006768
RGB	0, 103, 104
RGB Percent	0%, 40%, 41%
CMY	0.9999, 0.5961, 0.5922
CMYK	1.00, 0.01, 0.00, 0.59
HSL	181°, 100%, 20%
HSV	181°, 100%, 41%
XYZ	7.3489, 10.7000, 14.7732
YIQ	72.3170, -61.7090, -21.5250

Conversions

Conversions Part 2

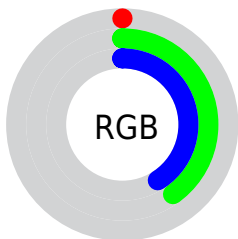
Format	Color
RYB	0, 52, 104
Decimal	26472
CIELab	39.07, -24.36, -7.82
CIELCh	39, 25.589, 197.797
Yxy	10.7000, 0.2239, 0.3260
Android (android.graphics.Color)	4278216552 (0xFF006768)
YUV	72.3170, 15.6197, -63.4220
Hunter-Lab	32.7109, -17.1419, -3.8796

Details

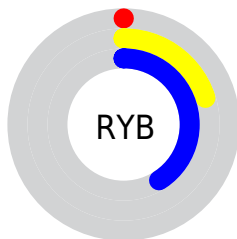
The Yxy color **10.7000, 0.2239, 0.3260** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.9649, 0.6386, 0.3311**, and the grayscale version is **6.5198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2651, 0.2468, 0.3288**, and **3.0278, 0.2221, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **10.7002, 0.2239, 0.3260**, and if you desaturate by 10%, it is **10.7873, 0.2265, 0.3263**.

Distribution



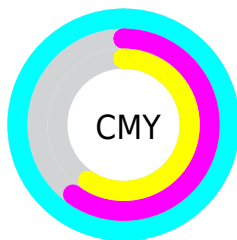
- Red (0%)
- Green (40%)
- Blue (41%)



- Red (0%)
- Yellow (20%)
- Blue (41%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (59%)



- Cyan (100%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7000, 0.2239, 0.3260 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 10.7000, 0.2239, 0.3260 by changing the saturation by 10% instead.


 10.7000, 0.2239,
0.3260


 10.7000, 0.2239,
0.3260


195.5976, 0.2777,
0.3292

 5.8655, 0.2059,
0.3239

 27.1041, 0.2464,
0.3279


 2.7635, 0.1793,
0.3196


 39.4424, 0.2539,
0.3283

 1.0095, 0.1131,
0.3175

 55.0508, 0.2599,
0.3286


 0.0000, 0.0000,
0.0000


 74.3137, 0.2648,
0.3288

 97.6154, 0.2688,
0.3290


 125.3404, 0.2722,

0.3291

 157.8730, 0.2752,
0.3291


 10.7000, 0.2239,
0.3260


 10.7000, 0.2239,
0.3260


 10.7002, 0.2239,
0.3260

 10.7873, 0.2265,
0.3263

 10.8973, 0.2300,
0.3266

 11.0544, 0.2351,
0.3269

 11.2638, 0.2419,
0.3272

 11.5300, 0.2504,
0.3275

■ 11.8571, 0.2605,
0.3279

■ 12.2487, 0.2720,
0.3282

■ 12.7082, 0.2847,
0.3285

■ 13.2388, 0.2984,
0.3287

Harmonies

Analogous

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



10.7000, 0.2624, 0.3855



10.7000, 0.2239, 0.3260



10.7000, 0.2085, 0.2748

Triad

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



10.7000, 0.2239, 0.3260



10.7000, 0.2999, 0.2506



10.7000, 0.4147, 0.4078

Complementary

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



10.7000, 0.2239, 0.3260



2.9649, 0.6386, 0.3311

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.



10.7000, 0.4293, 0.3662



10.7000, 0.2239, 0.3260



10.7000, 0.3596, 0.2802

Square

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



10.7000, 0.2239, 0.3260



10.7000, 0.2489, 0.2376



10.7000, 0.4090, 0.3210



10.7000, 0.3726, 0.4335

Rectangle

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



10.7000, 0.2239, 0.3260



10.7000, 0.2117, 0.2523



10.7000, 0.4090, 0.3210



10.7000, 0.4232, 0.3950

Sweetspot

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



10.7004, 0.2239, 0.3260



21.4271, 0.2709, 0.3281



9.8999, 0.3000, 0.6000



5.1735, 0.2673, 0.3280



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.7004, 0.2239, 0.3260



18.7646, 0.2239, 0.3259



3.4564, 0.1796, 0.1666



3.1809, 0.2999, 0.3288



13.1887, 0.2239, 0.3260



68.7079, 0.2238, 0.3258

Inverse Universe

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



3.9226, 0.3232, 0.1554



6.8806, 0.3232, 0.1554



5.3997, 0.5330, 0.4149



2.8886, 0.3138, 0.3089



4.8349, 0.3232, 0.1554



25.2089, 0.3234, 0.1555

Previews

White Background



This preview shows how the Yxy color 10.7000, 0.2239, 0.3260 looks on a white 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

Black Background



This preview shows how the Yxy color 10.7000, 0.2239, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

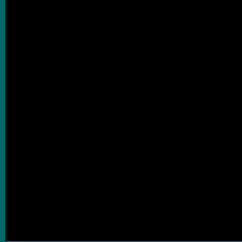
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7000, 0.2239, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 10.7000, 0.2239, 0.3260.



This preview shows how white text looks on a background with the Yxy color 10.7000, 0.2239, 0.3260.

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

10.7000, 0.2239, 0.3260

Protanopia

10.6205, 0.3056, 0.3147

Deuteranopia

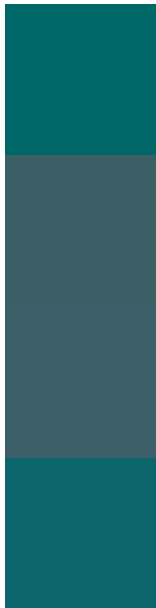
10.7535, 0.2946, 0.2899



Tritanopia

10.7571, 0.2234, 0.3074

Trichromacy



Original Color

10.7000, 0.2239, 0.3260

Protanomaly

10.0343, 0.2578, 0.3156

Deuteranomaly

10.1857, 0.2525, 0.3005

Tritanomaly

10.6566, 0.2228, 0.3125

Monochromacy



Original Color

10.7000, 0.2239, 0.3260

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.4074, 0.2560, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7000, 0.2239, 0.3260 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, 103, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 104)  
}
```

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, 103, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 104) }
```

Border

The CSS property to change the border of an element to Yxy 10.7000, 0.2239, 0.3260 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, 103, 104) }
```

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

```
.border{ border-color:rgb(0, 103, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7000, 0.2239, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 104) }
```

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

```
.background{ background-color: rgb(0, 103,  
104) }
```

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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