

Converting Colors

$Y_{xy}(10.3489, 0.2242, 0.3271)$

Have a look what the booklet for
Yxy(10.3489, 0.2242, 0.3271)
contains.

Yxy(10.2667, 0.2239, 0.3259)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2667, 0.2239, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	006566
RGB	0, 101, 102
RGB Percent	0%, 40%, 40%
CMY	0.9995, 0.6039, 0.6000
CMYK	1.00, 0.01, 0.00, 0.60
HSL	181°, 100%, 20%
HSV	181°, 100%, 40%
XYZ	7.0534, 10.2667, 14.1825
YIQ	70.9150, -60.5170, -21.1010

Conversions

Conversions Part 2

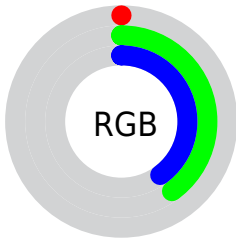
Format	Color
RYB	0, 51, 102
Decimal	25958
CIELab	38.32, -24.01, -7.73
CIELCh	38, 25.224, 197.851
Yxy	10.2667, 0.2239, 0.3259
Android (android.graphics.Color)	4278216038 (0xFF006566)
YUV	70.9150, 15.3249, -62.1925
Hunter-Lab	32.0417, -16.7792, -3.8141

Details

The Yxy color **10.2667, 0.2239, 0.3259** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8504, 0.6382, 0.3311**, and the grayscale version is **6.2741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1728, 0.2464, 0.3270**, and **2.9142, 0.2233, 0.3240** is the 20% darker color. If you saturate the color by 10%, you get **10.2660, 0.2239, 0.3259**, and if you desaturate by 10%, it is **10.3526, 0.2266, 0.3262**.

Distribution



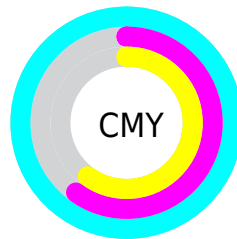
- Red (0%)
- Green (40%)
- Blue (40%)



- Red (0%)
- Yellow (20%)
- Blue (40%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (60%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2667, 0.2239, 0.3259 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 10.2667, 0.2239, 0.3259 by changing the saturation by 10% instead.


 10.2667, 0.2239,
0.3259


 10.2667, 0.2239,
0.3259


192.5651, 0.2780,
0.3291


 5.5761, 0.2056,
0.3237

 26.2959, 0.2466,
0.3278


 2.5891, 0.1783,
0.3192


 38.4034, 0.2542,
0.3283

 0.9212, 0.1005,
0.3202

 53.7520, 0.2602,
0.3286

 0.0000, 0.0000,
0.0000

 72.7261, 0.2651,
0.3288

 95.7100, 0.2691,
0.3289


 123.0882, 0.2725,

0.3290


 155.2451, 0.2755,
0.3291


 10.2667, 0.2239,
0.3259


 10.2667, 0.2239,
0.3259

 10.2660, 0.2239,
0.3259

 10.3526, 0.2266,
0.3262

 10.4600, 0.2301,
0.3265

 10.6126, 0.2353,
0.3268

 10.8153, 0.2421,
0.3272

 11.0723, 0.2506,
0.3275

■ 11.3876, 0.2607,
0.3278

■ 11.7647, 0.2722,
0.3281

■ 12.2067, 0.2849,
0.3284

■ 12.7166, 0.2985,
0.3287

Harmonies

Analogous

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



10.2667, 0.2623, 0.3854



10.2667, 0.2239, 0.3259



10.2667, 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.



10.2667, 0.2239, 0.3259



10.2667, 0.3000, 0.2507



10.2667, 0.4146, 0.4078

Complementary

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



10.2667, 0.2239, 0.3259



2.8504, 0.6382, 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.



10.2667, 0.4293, 0.3663



10.2667, 0.2239, 0.3259



10.2667, 0.3597, 0.2803

Square

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



10.2667, 0.2239, 0.3259



10.2667, 0.2491, 0.2377



10.2667, 0.4090, 0.3211



10.2667, 0.3725, 0.4334

Rectangle

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



10.2667, 0.2239, 0.3259



10.2667, 0.2118, 0.2523



10.2667, 0.4090, 0.3211



10.2667, 0.4231, 0.3950

Sweetspot

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



10.2671, 0.2239, 0.3259



20.5583, 0.2710, 0.3281



9.5057, 0.3000, 0.5998



4.8021, 0.2675, 0.3280



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.2671, 0.2239, 0.3259



17.9910, 0.2238, 0.3258



3.3342, 0.1798, 0.1671



3.1808, 0.2999, 0.3288



13.1788, 0.2239, 0.3259



68.6535, 0.2238, 0.3257

Inverse Universe

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



3.7677, 0.3233, 0.1555



6.6004, 0.3233, 0.1555



5.1994, 0.5325, 0.4152



2.8886, 0.3138, 0.3089



4.8339, 0.3233, 0.1555



25.2034, 0.3234, 0.1555

Previews

White Background



This preview shows how the Yxy color 10.2667, 0.2239, 0.3259 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 10.2667, 0.2239, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

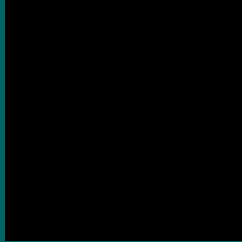
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2667, 0.2239, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 10.2667, 0.2239, 0.3259.

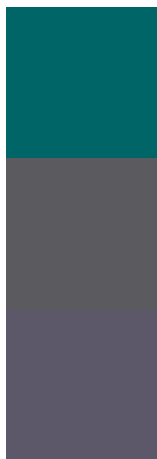


This preview shows how white text looks on a background with the Yxy color 10.2667, 0.2239, 0.3259.

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

10.2667, 0.2239, 0.3259

Protanopia

10.3122, 0.3054, 0.3169

Deuteranopia

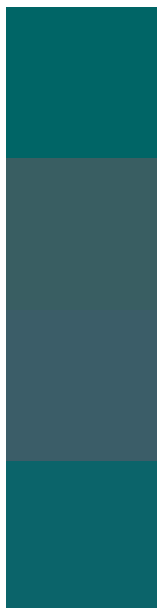
10.2747, 0.2943, 0.2892



Tritanopia

10.3162, 0.2231, 0.3071

Trichromacy



Original Color

10.2667, 0.2239, 0.3259

Protanomaly

9.7571, 0.2574, 0.3181

Deuteranomaly

9.7580, 0.2527, 0.3000

Tritanomaly

10.2261, 0.2228, 0.3123

Monochromacy



Original Color

10.2667, 0.2239, 0.3259

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.2017, 0.2567, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2667, 0.2239, 0.3259 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, 101, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 102)  
}
```

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, 101, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 102) }
```

Border

The CSS property to change the border of an element to Yxy 10.2667, 0.2239, 0.3259 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, 101, 102) }
```

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

```
.border{ border-color:rgb(0, 101, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2667, 0.2239, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 102) }
```

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

```
.background{ background-color: rgb(0, 101,  
102) }
```

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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