

Converting Colors

$Y_{xy}(7.7503, 0.1038, 0.2828)$

Have a look what the booklet for
Yxy(7.7503, 0.1038, 0.2828)
contains.

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Color

$\text{Yxy}(10.0935, 0.2149, 0.2937)$

Conversions

Conversions Part 1

Format	Color
Hex	006370
RGB	0, 99, 112
RGB Percent	0%, 39%, 44%
CMY	1.0000, 0.6117, 0.5608
CMYK	1.00, 0.12, 0.00, 0.56
HSL	187°, 100%, 22%
HSV	187°, 100%, 44%
XYZ	7.3854, 10.0935, 16.8878
YIQ	70.8810, -63.1770, -16.9450

Conversions

Conversions Part 2

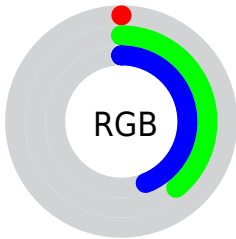
Format	Color
RYB	0, 53, 112
Decimal	25456
CIELab	38.01, -19.44, -14.34
CIELCh	38, 24.154, 216.409
Yxy	10.0935, 0.2149, 0.2937
Android (android.graphics.Color)	4278215536 (0xFF006370)
YUV	70.8810, 20.2717, -62.1626
Hunter-Lab	31.7703, -14.1034, -9.2770

Details

The Yxy color **10.0935, 0.2149, 0.2937** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.7324, 0.6251, 0.3418**, and the grayscale version is **6.2536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9489, 0.2391, 0.3037**, and **2.8261, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **10.0945, 0.2149, 0.2937**, and if you desaturate by 10%, it is **10.4152, 0.2186, 0.2976**.

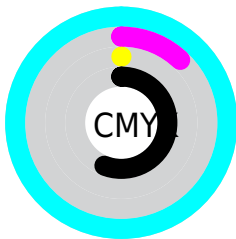
Distribution



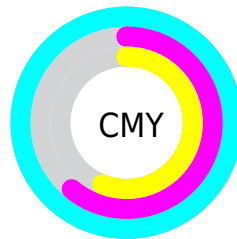
- Red (0%)
- Green (39%)
- Blue (44%)



- Red (0%)
- Yellow (21%)
- Blue (44%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (56%)





- Cyan (100%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0935, 0.2149, 0.2937 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 10.0935, 0.2149, 0.2937 by changing the saturation by 10% instead.


 10.0935, 0.2149,
0.2937


 10.0935, 0.2149,
0.2937


191.3381, 0.2741,
0.3172


 5.4610, 0.1954,
0.2843

 25.9712, 0.2395,
0.3043


 2.5202, 0.1668,
0.2689


 37.9852, 0.2478,
0.3076

 0.8867, 0.1020,
0.2456

 53.2285, 0.2544,
0.3102


 0.0000, 0.0000,
0.0000


 72.0855, 0.2597,
0.3122


 94.9405, 0.2642,
0.3138

 122.1781, 0.2680,


0.3151

 154.1824, 0.2712,
0.3163

 10.0935, 0.2149,
0.2937

 10.0935, 0.2149,
0.2937


 10.0945, 0.2149,
0.2937

 10.4152, 0.2186,
0.2976

 10.7700, 0.2232,
0.3014

 11.1844, 0.2296,
0.3052

 11.6647, 0.2376,
0.3091

 12.2163, 0.2473,
0.3128

■ 12.8442, 0.2584,
0.3164

■ 13.5529, 0.2708,
0.3199

■ 14.3464, 0.2841,
0.3232

■ 15.2284, 0.2982,
0.3262

Harmonies

Analogous

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



10.0935, 0.2388, 0.3482



10.0935, 0.2149, 0.2937



10.0935, 0.2145, 0.2563

Triad

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



10.0935, 0.2149, 0.2937



10.0935, 0.3362, 0.2694



10.0935, 0.3884, 0.4232

Complementary

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



10.0935, 0.2149, 0.2937



3.7324, 0.6251, 0.3418

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.



10.0935, 0.4201, 0.3912



10.0935, 0.2149, 0.2937



10.0935, 0.3898, 0.3055

Square

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



10.0935, 0.2149, 0.2937



10.0935, 0.2801, 0.2463



10.0935, 0.4215, 0.3486



10.0935, 0.3379, 0.4301

Rectangle

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



10.0935, 0.2149, 0.2937



10.0935, 0.2271, 0.2436



10.0935, 0.4215, 0.3486



10.0935, 0.4017, 0.4145

Sweetspot

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



10.0945, 0.2149, 0.2937



23.7064, 0.2698, 0.3196



11.6128, 0.2969, 0.5888



5.5948, 0.2657, 0.3185



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.0945, 0.2149, 0.2937



17.6207, 0.2147, 0.2927



3.0314, 0.1706, 0.1341



3.7524, 0.2996, 0.3265



11.6492, 0.2149, 0.2934



57.2189, 0.2143, 0.2913

Inverse Universe

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



4.3456, 0.3510, 0.1707



7.6229, 0.3519, 0.1712



7.4828, 0.5068, 0.4358



3.4471, 0.3152, 0.3106



5.0218, 0.3512, 0.1709



24.9340, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 10.0935, 0.2149, 0.2937 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 10.0935, 0.2149, 0.2937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

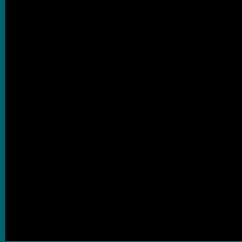
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0935, 0.2149, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 10.0935, 0.2149, 0.2937.

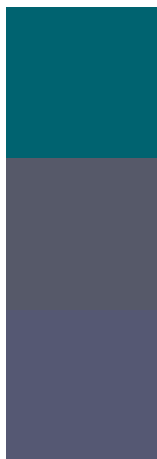


This preview shows how white text looks on a background with the Yxy color 10.0935, 0.2149, 0.2937.

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

10.0935, 0.2149, 0.2937

Protanopia

10.1431, 0.2854, 0.2906

Deuteranopia

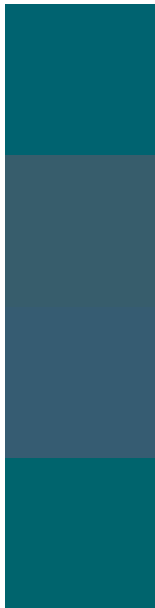
10.1485, 0.2710, 0.2663



Tritanopia

10.1971, 0.2186, 0.3068

Trichromacy



Original Color

10.0935, 0.2149, 0.2937

Protanomaly

9.7236, 0.2443, 0.2898

Deuteranomaly

9.6535, 0.2370, 0.2729

Tritanomaly

10.2185, 0.2178, 0.3042

Monochromacy



Original Color

10.0935, 0.2149, 0.2937

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.1146, 0.2513, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0935, 0.2149, 0.2937 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, 99, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 112)  
}
```

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, 99, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 112) }
```

Border

The CSS property to change the border of an element to Yxy 10.0935, 0.2149, 0.2937 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, 99, 112) }
```

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

```
.border{ border-color:rgb(0, 99, 112) }
```

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

Here you see how a box with a 4 pixel rgb(0, 99, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 112)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0935, 0.2149, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 112) }
```

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

```
.background{ background-color: rgb(0, 99,  
112) }
```

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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