

Converting Colors

$Yxy(12.0949, 0.2145, 0.2923)$

Have a look what the booklet for
Yxy(12.0949, 0.2145, 0.2923)
contains.

Yxy(12.1303, 0.2149, 0.2938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(12.1303, 0.2149, 0.2938)$

Conversions

Conversions Part 1

Format	Color
Hex	006C7A
RGB	0, 108, 122
RGB Percent	0%, 42%, 48%
CMY	1.0000, 0.5764, 0.5216
CMYK	1.00, 0.11, 0.00, 0.52
HSL	187°, 100%, 24%
HSV	187°, 100%, 48%
XYZ	8.8727, 12.1303, 20.2846
YIQ	77.3040, -68.8620, -18.5420

Conversions

Conversions Part 2

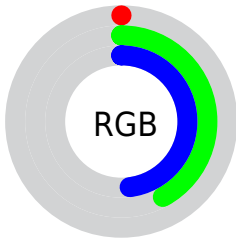
Format	Color
RYB	0, 57, 122
Decimal	27770
CIELab	41.42, -20.69, -15.22
CIELCh	41, 25.689, 216.338
Yxy	12.1303, 0.2149, 0.2938
Android (android.graphics.Color)	4278217850 (0xFF006C7A)
YUV	77.3040, 22.0351, -67.7956
Hunter-Lab	34.8286, -15.4765, -10.1512

Details

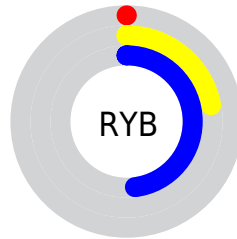
The Yxy color **12.1303, 0.2149, 0.2938** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.4510, 0.6265, 0.3408**, and the grayscale version is **7.4499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8173, 0.2389, 0.3051**, and **3.7128, 0.2103, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **12.1324, 0.2150, 0.2938**, and if you desaturate by 10%, it is **12.5094, 0.2184, 0.2976**.

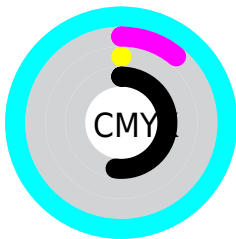
Distribution



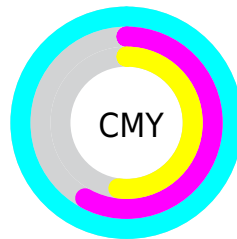
- Red (0%)
- Green (42%)
- Blue (48%)



- Red (0%)
- Yellow (22%)
- Blue (48%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (52%)





- Cyan (100%)
- Magenta (58%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1303, 0.2149, 0.2938 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 12.1303, 0.2149, 0.2938 by changing the saturation by 10% instead.


 12.1303, 0.2149,
0.2938


 12.1303, 0.2149,
0.2938


 205.2660, 0.2726,
0.3168


 6.8325, 0.1967,
0.2851


 29.7322, 0.2384,
0.3040


 3.3576, 0.1708,
0.2714

 42.8051, 0.2465,
0.3072

 1.3211, 0.1305,
0.2474

 59.2384, 0.2529,
0.3097

 0.1575, 0.0000,
0.1109

 79.4166, 0.2583,
0.3117

 0.0000, 0.0000,
0.0000

 103.7241, 0.2627,
0.3133

 132.5452, 0.2665,

0.3146

166.2644, 0.2698,
0.3158

12.1303, 0.2149,
0.2938

12.1303, 0.2149,
0.2938

12.1324, 0.2150,
0.2938

12.5094, 0.2184,
0.2976

12.9311, 0.2229,
0.3014

13.4249, 0.2292,
0.3053

13.9987, 0.2372,
0.3091

14.6593, 0.2469,
0.3128

■ 15.4129, 0.2580,
0.3165

■ 16.2649, 0.2705,
0.3199

■ 17.2204, 0.2839,
0.3232

■ 18.2841, 0.2981,
0.3262

Harmonies

Analogous

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



12.1303, 0.2388, 0.3483



12.1303, 0.2149, 0.2938



12.1303, 0.2145, 0.2564

Triad

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



12.1303, 0.2149, 0.2938



12.1303, 0.3361, 0.2693



12.1303, 0.3885, 0.4232

Complementary

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



12.1303, 0.2149, 0.2938



4.4510, 0.6265, 0.3408

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.



12.1303, 0.4202, 0.3911



12.1303, 0.2149, 0.2938



12.1303, 0.3897, 0.3054

Square

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



12.1303, 0.2149, 0.2938



12.1303, 0.2799, 0.2462



12.1303, 0.4215, 0.3485



12.1303, 0.3380, 0.4302

Rectangle

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



12.1303, 0.2149, 0.2938



12.1303, 0.2270, 0.2436



12.1303, 0.4215, 0.3485



12.1303, 0.4018, 0.4145

Sweetspot

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



12.1324, 0.2150, 0.2938



28.5024, 0.2695, 0.3197



13.9452, 0.2971, 0.5897



6.3982, 0.2652, 0.3185



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.1324, 0.2150, 0.2938



21.2210, 0.2147, 0.2929



3.5848, 0.1702, 0.1325



4.4378, 0.2994, 0.3265



12.7668, 0.2149, 0.2937



60.1046, 0.2144, 0.2918

Inverse Universe

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



5.2202, 0.3509, 0.1707



9.1720, 0.3517, 0.1711



8.9284, 0.5078, 0.4350



4.0700, 0.3153, 0.3103



5.4957, 0.3510, 0.1707



26.1348, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 12.1303, 0.2149, 0.2938 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 12.1303, 0.2149, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

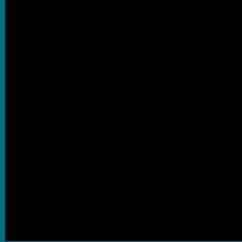
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1303, 0.2149, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 12.1303, 0.2149, 0.2938.

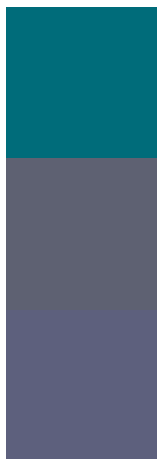


This preview shows how white text looks on a background with the Yxy color 12.1303, 0.2149, 0.2938.

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

12.1303, 0.2149, 0.2938

Protanopia

12.1440, 0.2860, 0.2912

Deuteranopia

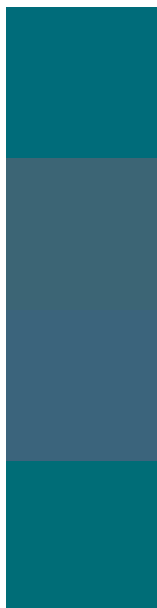
12.1736, 0.2715, 0.2666



Tritanopia

12.2216, 0.2190, 0.3084

Trichromacy



Original Color

12.1303, 0.2149, 0.2938

Protanomaly

11.5524, 0.2443, 0.2901

Deuteranomaly

11.4994, 0.2366, 0.2721

Tritanomaly

12.2692, 0.2176, 0.3035

Monochromacy



Original Color

12.1303, 0.2149, 0.2938

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.4227, 0.2514, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1303, 0.2149, 0.2938 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, 108, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 122)  
}
```

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, 108, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 122) }
```

Border

The CSS property to change the border of an element to Yxy 12.1303, 0.2149, 0.2938 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, 108, 122) }
```

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

```
.border{ border-color:rgb(0, 108, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1303, 0.2149, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 122) }
```

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

```
.background{ background-color: rgb(0, 108,  
122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor