

Converting Colors

$Y_{xy}(12.6751, 0.2159, 0.2973)$

Have a look what the booklet for
Yxy(12.6751, 0.2159, 0.2973)
contains.

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Color

Yxy(12.5819, 0.2157, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	006E7B
RGB	0, 110, 123
RGB Percent	0%, 43%, 48%
CMY	1.0000, 0.5686, 0.5176
CMYK	1.00, 0.11, 0.00, 0.52
HSL	186°, 100%, 24%
HSV	186°, 100%, 48%
XYZ	9.1501, 12.5819, 20.6884
YIQ	78.5920, -69.7330, -19.2770

Conversions

Conversions Part 2

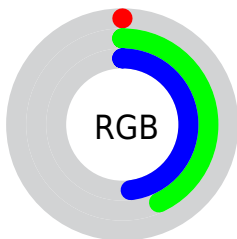
Format	Color
RYB	0, 58, 123
Decimal	28283
CIELab	42.13, -21.39, -14.76
CIElCh	42, 25.988, 214.612
Yxy	12.5819, 0.2157, 0.2966
Android (android.graphics.Color)	4278218363 (0xFF006E7B)
YUV	78.5920, 21.8931, -68.9252
Hunter-Lab	35.4710, -16.0284, -9.7512

Details

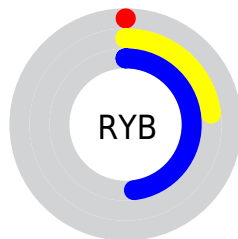
The Yxy color **12.5819, 0.2157, 0.2966** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.4997, 0.6277, 0.3398**, and the grayscale version is **7.7051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5555, 0.2391, 0.3069**, and **3.9397, 0.2116, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **12.5833, 0.2157, 0.2966**, and if you desaturate by 10%, it is **12.9464, 0.2190, 0.3001**.

Distribution



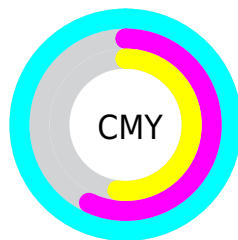
- Red (0%)
- Green (43%)
- Blue (48%)



- Red (0%)
- Yellow (23%)
- Blue (48%)



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





- Cyan (100%)
- Magenta (57%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5819, 0.2157, 0.2966 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 12.5819, 0.2157, 0.2966 by changing the saturation by 10% instead.


 12.5819, 0.2157,
0.2966


 12.5819, 0.2157,
0.2966


 208.2205, 0.2727,
0.3178


 7.1413, 0.1979,
0.2886


 30.5506, 0.2389,
0.3060


 3.5506, 0.1726,
0.2759

 43.8474, 0.2468,
0.3089

 1.4255, 0.1340,
0.2535

 60.5318, 0.2532,
0.3112

 0.2354, 0.0000,
0.1508

 80.9881, 0.2585,
0.3131

 0.0000, 0.0000,
0.0000

 105.6007, 0.2629,
0.3146

 134.7541, 0.2666,

0.3158

168.8325, 0.2699,
0.3169

12.5819, 0.2157,
0.2966

12.5819, 0.2157,
0.2966

12.5833, 0.2157,
0.2966

12.9464, 0.2190,
0.3001

13.3546, 0.2234,
0.3036

13.8355, 0.2296,
0.3071

14.3972, 0.2375,
0.3107

15.0467, 0.2471,
0.3141

■ 15.7903, 0.2581,
0.3174

■ 16.6335, 0.2705,
0.3206

■ 17.5815, 0.2839,
0.3236

■ 18.6390, 0.2980,
0.3264

Harmonies

Analogous

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



12.5819, 0.2409, 0.3517



12.5819, 0.2157, 0.2966



12.5819, 0.2139, 0.2580

Triad

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



12.5819, 0.2157, 0.2966



12.5819, 0.3327, 0.2676



12.5819, 0.3910, 0.4218

Complementary

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



12.5819, 0.2157, 0.2966



4.4997, 0.6277, 0.3398

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.



12.5819, 0.4211, 0.3888



12.5819, 0.2157, 0.2966



12.5819, 0.3870, 0.3031

Square

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



12.5819, 0.2157, 0.2966



12.5819, 0.2770, 0.2455



12.5819, 0.4205, 0.3460



12.5819, 0.3412, 0.4306

Rectangle

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



12.5819, 0.2157, 0.2966



12.5819, 0.2256, 0.2444



12.5819, 0.4205, 0.3460



12.5819, 0.4038, 0.4127

Sweetspot

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



12.5833, 0.2157, 0.2966



29.6632, 0.2695, 0.3204



14.1959, 0.2972, 0.5898



6.8584, 0.2651, 0.3193



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.5833, 0.2157, 0.2966



22.4060, 0.2155, 0.2958



3.6441, 0.1701, 0.1324



4.4435, 0.2994, 0.3267



13.0103, 0.2157, 0.2966



61.3186, 0.2152, 0.2947

Inverse Universe

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



5.3376, 0.3484, 0.1693



9.5441, 0.3492, 0.1697



9.0835, 0.5079, 0.4350



4.0706, 0.3152, 0.3101



5.5203, 0.3485, 0.1693



26.2573, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 12.5819, 0.2157, 0.2966 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 12.5819, 0.2157, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

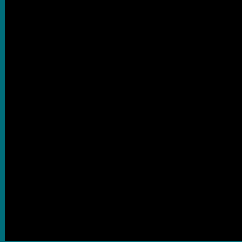
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5819, 0.2157, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 12.5819, 0.2157, 0.2966.

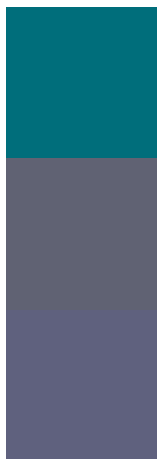


This preview shows how white text looks on a background with the Yxy color 12.5819, 0.2157, 0.2966.

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

12.5819, 0.2157, 0.2966

Protanopia

12.4600, 0.2876, 0.2916

Deuteranopia

12.4886, 0.2731, 0.2673



Tritanopia

12.4838, 0.2184, 0.3061

Trichromacy



Original Color

12.5819, 0.2157, 0.2966

Protanomaly

11.8028, 0.2447, 0.2904

Deuteranomaly

11.9441, 0.2376, 0.2751

Tritanomaly

12.5079, 0.2177, 0.3037

Monochromacy



Original Color

12.5819, 0.2157, 0.2966

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.8167, 0.2512, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5819, 0.2157, 0.2966 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, 110, 123)` looks like.

```
.text, #text, p{  
  color:rgb(0, 110, 123)  
}
```

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, 110, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 123) }
```

Border

The CSS property to change the border of an element to Yxy 12.5819, 0.2157, 0.2966 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, 110, 123) }
```

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

```
.border{ border-color:rgb(0, 110, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5819, 0.2157, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 123) }
```

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

```
.background{ background-color: rgb(0, 110,  
123) }
```

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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