

Converting Colors

$Yxy(15.3313, 0.2172, 0.3019)$

Have a look what the booklet for
Yxy(15.3313, 0.2172, 0.3019)
contains.

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Color

$Y_{xy}(15.3682, 0.2170, 0.3013)$

Conversions

Conversions Part 1

Format	Color
Hex	007985
RGB	0, 121, 133
RGB Percent	0%, 47%, 52%
CMY	1.0000, 0.5255, 0.4785
CMYK	1.00, 0.09, 0.00, 0.48
HSL	185°, 100%, 26%
HSV	185°, 100%, 52%
XYZ	11.0684, 15.3682, 24.5697
YIQ	86.1890, -75.9680, -21.9200

Conversions

Conversions Part 2

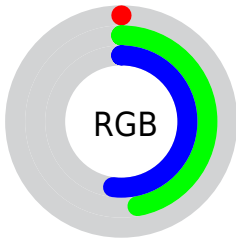
Format	Color
RYB	0, 63, 133
Decimal	31109
CIELab	46.13, -23.65, -14.63
CIElCh	46, 27.815, 211.741
Yxy	15.3682, 0.2170, 0.3013
Android (android.graphics.Color)	4278221189 (0xFF007985)
YUV	86.1890, 23.0778, -75.5878
Hunter-Lab	39.2023, -18.2064, -9.7179

Details

The Yxy color **15.3682, 0.2170, 0.3013** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.2483, 0.6305, 0.3376**, and the grayscale version is **9.3113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6111, 0.2390, 0.3097**, and **5.2593, 0.2139, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **15.3701, 0.2170, 0.3013**, and if you desaturate by 10%, it is **15.7510, 0.2200, 0.3043**.

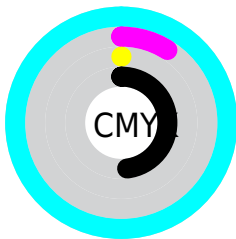
Distribution



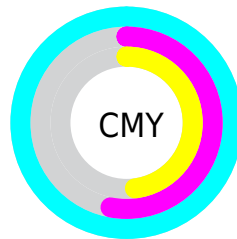
- Red (0%)
- Green (47%)
- Blue (52%)



- Red (0%)
- Yellow (25%)
- Blue (52%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (48%)





- Cyan (100%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3682, 0.2170, 0.3013 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 15.3682, 0.2170, 0.3013 by changing the saturation by 10% instead.


 15.3682, 0.2170,
0.3013


 15.3682, 0.2170,
0.3013


 225.5841, 0.2717,
0.3192


 9.0782, 0.2007,
0.2948


 35.4978, 0.2388,
0.3091


 4.7922, 0.1780,
0.2846

 50.1063, 0.2464,
0.3116

 2.1259, 0.1448,
0.2673

 68.2563, 0.2526,
0.3136

 0.6791, 0.0247,
0.2469

 90.3323, 0.2577,
0.3152

 0.0000, 0.0000,
0.0000

 116.7187, 0.2620,
0.3165

 147.7999, 0.2657,

0.3175

183.9602, 0.2689,
0.3184

■ 15.3682, 0.2170,
0.3013

■ 15.3682, 0.2170,
0.3013

■ 15.3701, 0.2170,
0.3013

■ 15.7510, 0.2200,
0.3043

■ 16.1875, 0.2241,
0.3073

■ 16.7093, 0.2300,
0.3103

■ 17.3265, 0.2377,
0.3132

■ 18.0475, 0.2471,
0.3162

■ 18.8798, 0.2580,
0.3190

■ 19.8304, 0.2703,
0.3218

■ 20.9054, 0.2837,
0.3244

■ 22.1107, 0.2979,
0.3268

Harmonies

Analogous

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



15.3682, 0.2444, 0.3573



15.3682, 0.2170, 0.3013



15.3682, 0.2129, 0.2606

Triad

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



15.3682, 0.2170, 0.3013



15.3682, 0.3272, 0.2647



15.3682, 0.3950, 0.4195

Complementary

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



15.3682, 0.2170, 0.3013



5.2483, 0.6305, 0.3376

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.



15.3682, 0.4226, 0.3850



15.3682, 0.2170, 0.3013



15.3682, 0.3825, 0.2993

Square

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



15.3682, 0.2170, 0.3013



15.3682, 0.2722, 0.2441



15.3682, 0.4187, 0.3418



15.3682, 0.3464, 0.4314

Rectangle

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



15.3682, 0.2170, 0.3013



15.3682, 0.2232, 0.2456



15.3682, 0.4187, 0.3418



15.3682, 0.4072, 0.4098

Sweetspot

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



15.3701, 0.2170, 0.3013



35.3944, 0.2695, 0.3216



16.7969, 0.2979, 0.5923



7.8326, 0.2649, 0.3206



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



15.3701, 0.2170, 0.3013



27.4104, 0.2169, 0.3007



4.4650, 0.1711, 0.1360



5.2091, 0.2992, 0.3270



14.6484, 0.2171, 0.3014



0.0560, 0.2211, 0.3160

Inverse Universe

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



6.3665, 0.3443, 0.1670



11.3909, 0.3448, 0.1673



10.3748, 0.5133, 0.4306



4.7558, 0.3150, 0.3095



6.0657, 0.3442, 0.1670



0.0215, 0.3316, 0.1600

Previews

White Background



This preview shows how the Yxy color 15.3682, 0.2170, 0.3013 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 15.3682, 0.2170, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

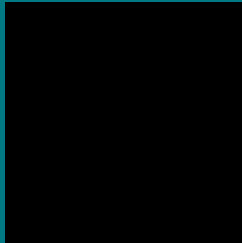
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3682, 0.2170, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 15.3682, 0.2170, 0.3013.

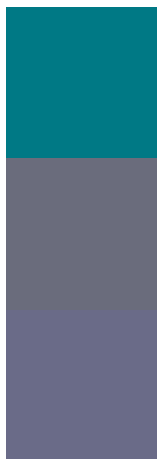


This preview shows how white text looks on a background with the Yxy color 15.3682, 0.2170, 0.3013.

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

15.3682, 0.2170, 0.3013

Protanopia

15.2445, 0.2907, 0.2965

Deuteranopia

15.3571, 0.2772, 0.2721



Tritanopia

15.3134, 0.2182, 0.3057

Trichromacy



Original Color

15.3682, 0.2170, 0.3013

Protanomaly

14.5359, 0.2468, 0.2976

Deuteranomaly

14.5309, 0.2397, 0.2790

Tritanomaly

15.3407, 0.2176, 0.3035

Monochromacy



Original Color

15.3682, 0.2170, 0.3013

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.7152, 0.2521, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3682, 0.2170, 0.3013 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, 121, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 133)  
}
```

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, 121, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 133) }
```

Border

The CSS property to change the border of an element to Yxy 15.3682, 0.2170, 0.3013 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, 121, 133) }
```

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

```
.border{ border-color:rgb(0, 121, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3682, 0.2170, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 133) }
```

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

```
.background{ background-color: rgb(0, 121,  
133) }
```

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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