

Converting Colors

$Yxy(13.7277, 0.1823, 0.3242)$

Have a look what the booklet for
Yxy(13.7277, 0.1823, 0.3242)
contains.

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Color

Yxy(15.1048, 0.2233, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	00797B
RGB	0, 121, 123
RGB Percent	0%, 47%, 48%
CMY	1.0000, 0.5255, 0.5177
CMYK	1.00, 0.02, 0.00, 0.52
HSL	181°, 100%, 24%
HSV	181°, 100%, 48%
XYZ	10.4102, 15.1048, 21.1048
YIQ	85.0490, -72.7580, -25.0300

Conversions

Conversions Part 2

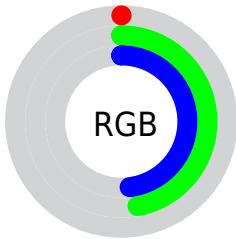
Format	Color
RYB	0, 61, 123
Decimal	31099
CIELab	45.78, -27.05, -9.23
CIELCh	46, 28.587, 198.842
Yxy	15.1048, 0.2233, 0.3240
Android (android.graphics.Color)	4278221179 (0xFF00797B)
YUV	85.0490, 18.7098, -74.5880
Hunter-Lab	38.8649, -20.2013, -4.9908

Details

The Yxy color **15.1048, 0.2233, 0.3240** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.2540, 0.6382, 0.3315**, and the grayscale version is **9.0676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0727, 0.2442, 0.3272**, and **5.1291, 0.2226, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **15.1068, 0.2233, 0.3240**, and if you desaturate by 10%, it is **15.2355, 0.2256, 0.3245**.

Distribution



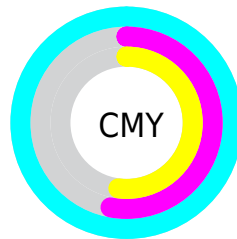
- Red (0%)
- Green (47%)
- Blue (48%)



- Red (0%)
- Yellow (24%)
- Blue (48%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)





- Cyan (100%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1048, 0.2233, 0.3240 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 15.1048, 0.2233, 0.3240 by changing the saturation by 10% instead.


 15.1048, 0.2233,
0.3240


 15.1048, 0.2233,
0.3240


 223.9997, 0.2749,
0.3283

 8.8930, 0.2075,
0.3218


 35.0369, 0.2440,
0.3263


 4.6714, 0.1853,
0.3178

 49.5260, 0.2512,
0.3269

 2.0558, 0.1521,
0.3097

 67.5430, 0.2570,
0.3273

 0.6396, 0.0000,
0.3146

 89.4722, 0.2618,
0.3276

 0.0000, 0.0000,
0.0000

 115.6981, 0.2659,
0.3279

 146.6050, 0.2694,

0.3281

182.5774, 0.2723,
0.3282

■ 15.1048, 0.2233,
0.3240

■ 15.1048, 0.2233,
0.3240

■ 15.1068, 0.2233,
0.3240

■ 15.2355, 0.2256,
0.3245

■ 15.4053, 0.2290,
0.3250

■ 15.6438, 0.2340,
0.3255

■ 15.9590, 0.2408,
0.3261

■ 16.3578, 0.2494,
0.3266

■ 16.8466, 0.2596,
0.3271

■ 17.4309, 0.2712,
0.3276

■ 18.1158, 0.2841,
0.3281

■ 18.9060, 0.2981,
0.3286

Harmonies

Analogous

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



15.1048, 0.2609, 0.3834



15.1048, 0.2233, 0.3240



15.1048, 0.2088, 0.2737

Triad

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



15.1048, 0.2233, 0.3240



15.1048, 0.3020, 0.2516



15.1048, 0.4133, 0.4088

Complementary

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



15.1048, 0.2233, 0.3240



4.2540, 0.6382, 0.3315

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.



15.1048, 0.4289, 0.3677



15.1048, 0.2233, 0.3240



15.1048, 0.3615, 0.2816

Square

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



15.1048, 0.2233, 0.3240



15.1048, 0.2507, 0.2381



15.1048, 0.4099, 0.3226



15.1048, 0.3706, 0.4335

Rectangle

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



15.1048, 0.2233, 0.3240



15.1048, 0.2125, 0.2517



15.1048, 0.4099, 0.3226



15.1048, 0.4220, 0.3962

Sweetspot

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



15.1068, 0.2233, 0.3240



31.1322, 0.2703, 0.3276



14.1654, 0.3000, 0.6000



7.2426, 0.2661, 0.3274



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.



15.1068, 0.2233, 0.3240



27.0321, 0.2233, 0.3239



4.8210, 0.1788, 0.1635



4.5018, 0.2994, 0.3286



15.6277, 0.2233, 0.3240



74.4172, 0.2233, 0.3237

Inverse Universe

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



5.5915, 0.3248, 0.1563



10.0111, 0.3249, 0.1564



7.6018, 0.5357, 0.4129



4.0765, 0.3139, 0.3082



5.7845, 0.3249, 0.1563



27.5796, 0.3251, 0.1564

Previews

White Background



This preview shows how the Yxy color 15.1048, 0.2233, 0.3240 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 15.1048, 0.2233, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

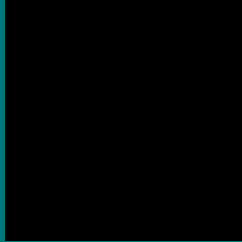
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1048, 0.2233, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 15.1048, 0.2233, 0.3240.

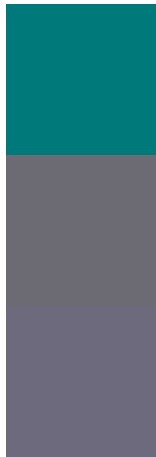


This preview shows how white text looks on a background with the Yxy color 15.1048, 0.2233, 0.3240.

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

15.1048, 0.2233, 0.3240

Protanopia

14.9413, 0.3040, 0.3125

Deuteranopia

15.1294, 0.2933, 0.2891



Tritanopia

15.1934, 0.2220, 0.3057

Trichromacy



Original Color

15.1048, 0.2233, 0.3240

Protanomaly

14.1616, 0.2563, 0.3151

Deuteranomaly

14.1516, 0.2504, 0.2975

Tritanomaly

15.0508, 0.2223, 0.3124

Monochromacy



Original Color

15.1048, 0.2233, 0.3240

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.4205, 0.2548, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1048, 0.2233, 0.3240 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 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, 121, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 123) }
```

Border

The CSS property to change the border of an element to Yxy 15.1048, 0.2233, 0.3240 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, 123) }
```

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

```
.border{ border-color:rgb(0, 121, 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, 121, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1048, 0.2233, 0.3240 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, 123) }
```

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

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