

Converting Colors

$Y_{xy}(12.8640, 0.1652, 0.3129)$

Have a look what the booklet for
Yxy(12.8640, 0.1652, 0.3129)
contains.

Yxy(14.6743, 0.2207, 0.3145)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.6743, 0.2207, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	00777D
RGB	0, 119, 125
RGB Percent	0%, 47%, 49%
CMY	1.0000, 0.5333, 0.5099
CMYK	1.00, 0.05, 0.00, 0.51
HSL	183°, 100%, 25%
HSV	183°, 100%, 49%
XYZ	10.2977, 14.6743, 21.6872
YIQ	84.1030, -72.8500, -23.3620

Conversions

Conversions Part 2

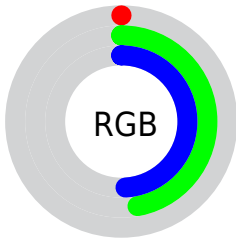
Format	Color
RYB	0, 61, 125
Decimal	30589
CIELab	45.18, -25.37, -11.31
CIELCh	45, 27.773, 204.030
Yxy	14.6743, 0.2207, 0.3145
Android (android.graphics.Color)	4278220669 (0xFF00777D)
YUV	84.1030, 20.1622, -73.7583
Hunter-Lab	38.3070, -19.0531, -6.7515

Details

The Yxy color **14.6743, 0.2207, 0.3145** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.4890, 0.6346, 0.3343**, and the grayscale version is **8.8572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4249, 0.2418, 0.3190**, and **4.9021, 0.2185, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **14.6748, 0.2207, 0.3145**, and if you desaturate by 10%, it is **14.8995, 0.2233, 0.3160**.

Distribution



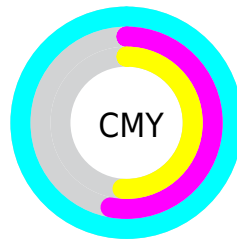
- Red (0%)
- Green (47%)
- Blue (49%)



- Red (0%)
- Yellow (24%)
- Blue (49%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (51%)





- Cyan (100%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6743, 0.2207, 0.3145 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 14.6743, 0.2207, 0.3145 by changing the saturation by 10% instead.


 14.6743, 0.2207,
0.3145


 14.6743, 0.2207,
0.3145


 221.3863, 0.2739,
0.3246


 8.5911, 0.2045,
0.3103


 34.2808, 0.2421,
0.3192

 4.4755, 0.1816,
0.3035

 48.5729, 0.2494,
0.3206


 1.9429, 0.1476,
0.2909

 66.3701, 0.2554,
0.3217

 0.5740, 0.0000,
0.2781

 88.0568, 0.2604,
0.3225

 0.0000, 0.0000,
0.0000

 114.0173, 0.2646,
0.3232

 144.6362, 0.2681,

0.3238

180.2977, 0.2712,
0.3242

■ 14.6743, 0.2207,
0.3145

■ 14.6743, 0.2207,
0.3145

■ 14.6748, 0.2207,
0.3145

■ 14.8995, 0.2233,
0.3160

■ 15.1682, 0.2270,
0.3176

■ 15.5088, 0.2324,
0.3191

■ 15.9298, 0.2396,
0.3207

■ 16.4385, 0.2485,
0.3222

■ 17.0413, 0.2590,
0.3237

■ 17.7441, 0.2709,
0.3251

■ 18.5521, 0.2840,
0.3265

■ 19.4704, 0.2980,
0.3278

Harmonies

Analogous

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



14.6743, 0.2541, 0.3726



14.6743, 0.2207, 0.3145



14.6743, 0.2105, 0.2682

Triad

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



14.6743, 0.2207, 0.3145



14.6743, 0.3122, 0.2570



14.6743, 0.4058, 0.4132

Complementary

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



14.6743, 0.2207, 0.3145



4.4890, 0.6346, 0.3343

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.



14.6743, 0.4264, 0.3747



14.6743, 0.2207, 0.3145



14.6743, 0.3701, 0.2888

Square

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



14.6743, 0.2207, 0.3145



14.6743, 0.2594, 0.2406



14.6743, 0.4136, 0.3304



14.6743, 0.3607, 0.4328

Rectangle

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



14.6743, 0.2207, 0.3145



14.6743, 0.2169, 0.2492



14.6743, 0.4136, 0.3304



14.6743, 0.4160, 0.4017

Sweetspot

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



14.6748, 0.2207, 0.3145



31.6845, 0.2700, 0.3250



14.6732, 0.2991, 0.5967



7.1049, 0.2658, 0.3246



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.



14.6748, 0.2207, 0.3145



26.2231, 0.2206, 0.3142



4.5397, 0.1757, 0.1525



4.8527, 0.2993, 0.3279



15.3165, 0.2207, 0.3145



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.6911, 0.3329, 0.1607



10.1872, 0.3332, 0.1609



8.3332, 0.5265, 0.4201



4.4090, 0.3144, 0.3087



5.9407, 0.3329, 0.1607



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.6743, 0.2207, 0.3145 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 14.6743, 0.2207, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

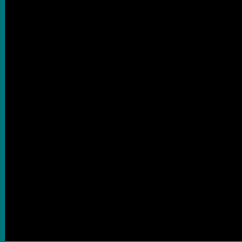
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6743, 0.2207, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 14.6743, 0.2207, 0.3145.



This preview shows how white text looks on a background with the Yxy color 14.6743, 0.2207, 0.3145.

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

14.6743, 0.2207, 0.3145

Protanopia

14.6566, 0.2989, 0.3062

Deuteranopia

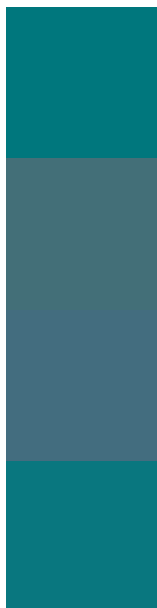
14.5233, 0.2858, 0.2806



Tritanopia

14.8455, 0.2213, 0.3077

Trichromacy



Original Color

14.6743, 0.2207, 0.3145

Protanomaly

13.9182, 0.2522, 0.3082

Deuteranomaly

13.6629, 0.2451, 0.2884

Tritanomaly

14.7840, 0.2210, 0.3099

Monochromacy



Original Color

14.6743, 0.2207, 0.3145

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.2071, 0.2534, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6743, 0.2207, 0.3145 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, 119, 125)` looks like.

```
.text, #text, p{  
  color:rgb(0, 119, 125)  
}
```

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, 119, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 125) }
```

Border

The CSS property to change the border of an element to Yxy 14.6743, 0.2207, 0.3145 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, 119, 125) }
```

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

```
.border{ border-color:rgb(0, 119, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6743, 0.2207, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 125) }
```

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

```
.background{ background-color: rgb(0, 119,  
125) }
```

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