

Converting Colors

$Yxy(14.3545, 0.2089, 0.2720)$

Have a look what the booklet for
Yxy(14.3545, 0.2089, 0.2720)
contains.

Yxy(14.4139, 0.2091, 0.2726)	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

Yxy(14.4139, 0.2091, 0.2726)

Conversions

Conversions Part 1

Format	Color
Hex	00748D
RGB	0, 116, 141
RGB Percent	0%, 45%, 55%
CMY	0.9990, 0.5451, 0.4470
CMYK	1.00, 0.18, 0.00, 0.45
HSL	191°, 100%, 28%
HSV	191°, 100%, 55%
XYZ	11.0563, 14.4139, 27.4054
YIQ	84.1660, -77.1610, -16.8170

Conversions

Conversions Part 2

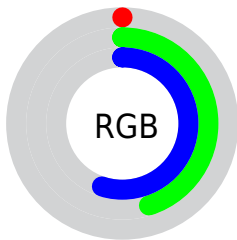
Format	Color
RYB	0, 64, 141
Decimal	29837
CIELab	44.82, -18.08, -21.41
CIELCh	45, 28.026, 229.822
Yxy	14.4139, 0.2091, 0.2726
Android (android.graphics.Color)	4278219917 (0xFF00748D)
YUV	84.1660, 28.0192, -73.8136
Hunter-Lab	37.9656, -14.4574, -16.2225

Details

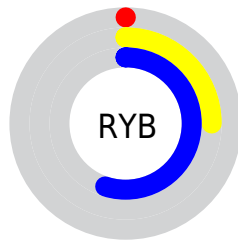
The Yxy color **14.4139, 0.2091, 0.2726** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.3720, 0.6180, 0.3472**, and the grayscale version is **8.8706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7844, 0.2326, 0.2865**, and **4.8896, 0.2031, 0.2510** is the 20% darker color. If you saturate the color by 10%, you get **14.4025, 0.2090, 0.2725**, and if you desaturate by 10%, it is **15.0948, 0.2130, 0.2788**.

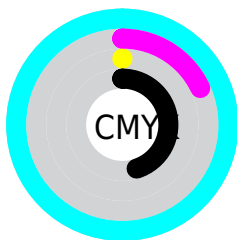
Distribution



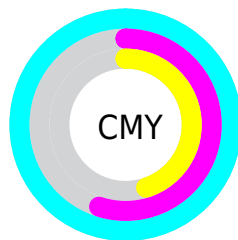
- Red (0%)
- Green (45%)
- Blue (55%)



- Red (0%)
- Yellow (25%)
- Blue (55%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (55%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.4139, 0.2091, 0.2726 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 14.4139, 0.2091, 0.2726 by changing the saturation by 10% instead.

14.4139, 0.2091,
0.2726

14.4139, 0.2091,
0.2726

219.7907, 0.2684,
0.3073

8.4091, 0.1915,
0.2610

33.8216, 0.2326,
0.2872

4.3578, 0.1674,
0.2438

47.9934, 0.2409,
0.2920

1.8757, 0.1327,
0.2165

65.6562, 0.2476,
0.2959

0.5337, 0.0208,
0.1688

87.1946, 0.2532,
0.2990

0.0000, 0.0000,
0.0000

112.9928, 0.2579,
0.3016

143.4353, 0.2619,

0.3038

178.9065, 0.2654,
0.3057

■ 14.4139, 0.2091,
0.2726

■ 14.4139, 0.2091,
0.2726

■ 14.4025, 0.2090,
0.2725

■ 15.0948, 0.2130,
0.2788

■ 15.8534, 0.2182,
0.2850

■ 16.7214, 0.2253,
0.2913

■ 17.7105, 0.2341,
0.2975

■ 18.8306, 0.2446,
0.3035

■ 20.0904, 0.2565,
0.3093

■ 21.4980, 0.2696,
0.3148

■ 23.0607, 0.2836,
0.3199

■ 24.7853, 0.2981,
0.3247

Harmonies

Analogous

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



14.4139, 0.2228, 0.3222



14.4139, 0.2091, 0.2726



14.4139, 0.2194, 0.2444

Triad

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



14.4139, 0.2091, 0.2726



14.4139, 0.3631, 0.2830



14.4139, 0.3687, 0.4334

Complementary

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



14.4139, 0.2091, 0.2726



6.3720, 0.6180, 0.3472

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.



14.4139, 0.4118, 0.4096



14.4139, 0.2091, 0.2726



14.4139, 0.4106, 0.3241

Square

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



14.4139, 0.2091, 0.2726



14.4139, 0.3039, 0.2527



14.4139, 0.4285, 0.3690



14.4139, 0.3128, 0.4250

Rectangle

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



14.4139, 0.2091, 0.2726



14.4139, 0.2390, 0.2382



14.4139, 0.4285, 0.3690



14.4139, 0.3852, 0.4283

Sweetspot

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



14.4144, 0.2091, 0.2726



38.2716, 0.2685, 0.3143



19.1214, 0.2951, 0.5822



8.3350, 0.2636, 0.3123



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



14.4144, 0.2091, 0.2726



25.5644, 0.2087, 0.2712



3.9722, 0.1645, 0.1120



5.9555, 0.2990, 0.3250



13.1494, 0.2091, 0.2727



0.1533, 0.2173, 0.3024

Inverse Universe

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



6.9305, 0.3704, 0.1815



12.3741, 0.3717, 0.1821



13.6873, 0.4911, 0.4481



5.4948, 0.3162, 0.3111



6.3138, 0.3702, 0.1813



0.0631, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 14.4139, 0.2091, 0.2726 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 14.4139, 0.2091, 0.2726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

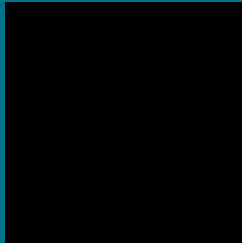
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4139, 0.2091, 0.2726

Background



This preview shows how black text looks on a background with the Yxy color 14.4139, 0.2091, 0.2726.

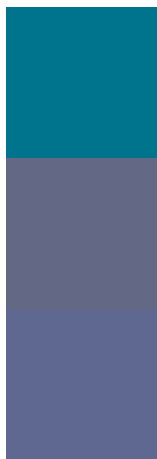


This preview shows how white text looks on a background with the Yxy color 14.4139, 0.2091, 0.2726.

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

14.4139, 0.2091, 0.2726

Protanopia

14.4493, 0.2718, 0.2721

Deuteranopia

14.3471, 0.2560, 0.2498



Tritanopia

14.4892, 0.2187, 0.3074

Trichromacy



Original Color

14.4139, 0.2091, 0.2726

Protanomaly

13.7716, 0.2343, 0.2697

Deuteranomaly

13.7004, 0.2270, 0.2540

Tritanomaly

14.3885, 0.2150, 0.2938

Monochromacy



Original Color

14.4139, 0.2091, 0.2726

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.1699, 0.2477, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4139, 0.2091, 0.2726 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, 116, 141)` looks like.

```
.text, #text, p{  
  color:rgb(0, 116, 141)  
}
```

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, 116, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 141) }
```

Border

The CSS property to change the border of an element to Yxy 14.4139, 0.2091, 0.2726 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, 116, 141) }
```

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

```
.border{ border-color:rgb(0, 116, 141) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4139, 0.2091, 0.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 141) }
```

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

```
.background{ background-color: rgb(0, 116,  
141) }
```

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