

Converting Colors

$Yxy(10.9397, 0.1317, 0.2693)$

Have a look what the booklet for
Yxy(10.9397, 0.1317, 0.2693)
contains.

Yxy(13.3096, 0.2104, 0.2773)	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(13.3096, 0.2104, 0.2773)

Conversions

Conversions Part 1

Format	Color
Hex	007086
RGB	0, 112, 134
RGB Percent	0%, 44%, 53%
CMY	0.9992, 0.5608, 0.4745
CMYK	1.00, 0.16, 0.00, 0.47
HSL	190°, 100%, 26%
HSV	190°, 100%, 53%
XYZ	10.0986, 13.3096, 24.5889
YIQ	81.0200, -73.8140, -16.9020

Conversions

Conversions Part 2

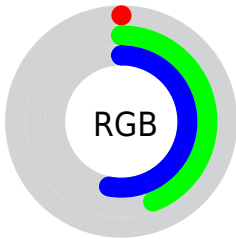
Format	Color
RYB	0, 61, 134
Decimal	28806
CIELab	43.23, -18.47, -19.68
CIELCh	43, 26.988, 226.817
Yxy	13.3096, 0.2104, 0.2773
Android (android.graphics.Color)	4278218886 (0xFF007086)
YUV	81.0200, 26.1191, -71.0545
Hunter-Lab	36.4823, -14.4339, -14.4236

Details

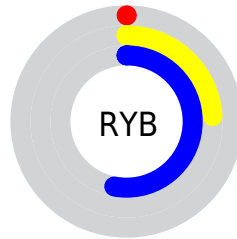
The Yxy color **13.3096, 0.2104, 0.2773** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.6496, 0.6197, 0.3459**, and the grayscale version is **8.2026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8881, 0.2345, 0.2916**, and **4.3069, 0.2046, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **13.3017, 0.2103, 0.2772**, and if you desaturate by 10%, it is **13.8911, 0.2143, 0.2830**.

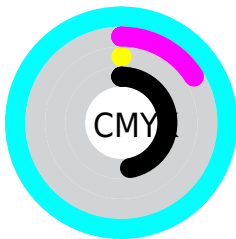
Distribution



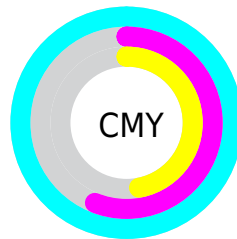
- Red (0%)
- Green (44%)
- Blue (53%)



- Red (0%)
- Yellow (24%)
- Blue (53%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (56%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3096, 0.2104, 0.2773 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 13.3096, 0.2104, 0.2773 by changing the saturation by 10% instead.

13.3096, 0.2104,
0.2773

13.3096, 0.2104,
0.2773

212.8924, 0.2697,
0.3097

7.6421, 0.1924,
0.2661

31.8589, 0.2342,
0.2911

3.8668, 0.1673,
0.2491

45.5094, 0.2424,
0.2956

1.5993, 0.1307,
0.2213

62.5898, 0.2491,
0.2992

0.3571, 0.0000,
0.1511

83.4844, 0.2547,
0.3021

0.0000, 0.0000,
0.0000

108.5775, 0.2593,
0.3045

138.2536, 0.2633,

0.3065

172.8971, 0.2667,
0.3082

■ 13.3096, 0.2104,
0.2773

■ 13.3096, 0.2104,
0.2773

■ 13.3017, 0.2103,
0.2772

■ 13.8911, 0.2143,
0.2830

■ 14.5380, 0.2193,
0.2887

■ 15.2803, 0.2262,
0.2944

■ 16.1281, 0.2349,
0.3000

■ 17.0902, 0.2452,
0.3055

■ 18.1743, 0.2569,
0.3109

■ 19.3874, 0.2699,
0.3159

■ 20.7359, 0.2837,
0.3206

■ 22.2259, 0.2981,
0.3250

Harmonies

Analogous

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



13.3096, 0.2264, 0.3280



13.3096, 0.2104, 0.2773



13.3096, 0.2182, 0.2471

Triad

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



13.3096, 0.2104, 0.2773



13.3096, 0.3569, 0.2799



13.3096, 0.3733, 0.4311

Complementary

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



13.3096, 0.2104, 0.2773



5.6496, 0.6197, 0.3459

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.



13.3096, 0.4138, 0.4054



13.3096, 0.2104, 0.2773



13.3096, 0.4059, 0.3198

Square

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



13.3096, 0.2104, 0.2773



13.3096, 0.2984, 0.2512



13.3096, 0.4270, 0.3643



13.3096, 0.3185, 0.4263

Rectangle

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



13.3096, 0.2104, 0.2773



13.3096, 0.2362, 0.2394



13.3096, 0.4270, 0.3643



13.3096, 0.3891, 0.4252

Sweetspot

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



13.3101, 0.2104, 0.2773



33.9804, 0.2688, 0.3155



17.1015, 0.2957, 0.5841



7.4790, 0.2641, 0.3137



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.



13.3101, 0.2104, 0.2773



23.2503, 0.2100, 0.2760



3.7574, 0.1659, 0.1171



5.1521, 0.2992, 0.3253



12.4797, 0.2104, 0.2774



0.0518, 0.2179, 0.3046

Inverse Universe

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



6.2420, 0.3660, 0.1791



10.9709, 0.3672, 0.1796



11.9115, 0.4951, 0.4449



4.7500, 0.3160, 0.3110



5.8468, 0.3659, 0.1789



0.0211, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 13.3096, 0.2104, 0.2773 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 13.3096, 0.2104, 0.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

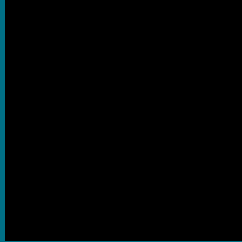
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3096, 0.2104, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 13.3096, 0.2104, 0.2773.

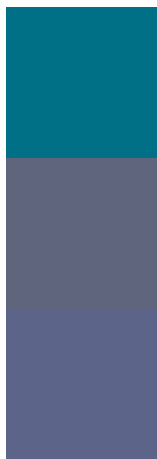


This preview shows how white text looks on a background with the Yxy color 13.3096, 0.2104, 0.2773.

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

13.3096, 0.2104, 0.2773

Protanopia

13.3005, 0.2750, 0.2762

Deuteranopia

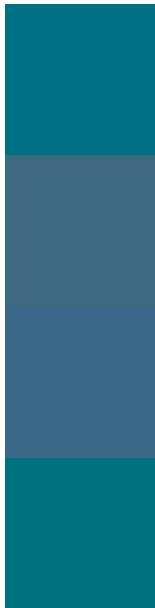
13.2476, 0.2596, 0.2531



Tritanopia

13.2154, 0.2185, 0.3066

Trichromacy



Original Color

13.3096, 0.2104, 0.2773

Protanomaly

12.6802, 0.2365, 0.2741

Deuteranomaly

12.6080, 0.2288, 0.2576

Tritanomaly

13.3166, 0.2159, 0.2973

Monochromacy



Original Color

13.3096, 0.2104, 0.2773

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.3045, 0.2489, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3096, 0.2104, 0.2773 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, 112, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 134)  
}
```

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, 112, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 134) }
```

Border

The CSS property to change the border of an element to Yxy 13.3096, 0.2104, 0.2773 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, 112, 134) }
```

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

```
.border{ border-color:rgb(0, 112, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3096, 0.2104, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 134) }
```

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

```
.background{ background-color: rgb(0, 112,  
134) }
```

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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