

Converting Colors

$Y_{xy}(12.7331, 0.2000, 0.3379)$

Have a look what the booklet for
Yxy(12.7331, 0.2000, 0.3379)
contains.

Yxy(13.6606, 0.2275, 0.3389)	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(13.6606, 0.2275, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	007470
RGB	0, 116, 112
RGB Percent	0%, 45%, 44%
CMY	0.9995, 0.5451, 0.5608
CMYK	1.00, 0.00, 0.03, 0.55
HSL	178°, 100%, 23%
HSV	178°, 100%, 45%
XYZ	9.1702, 13.6606, 17.4778
YIQ	80.8600, -67.8520, -25.8360

Conversions

Conversions Part 2

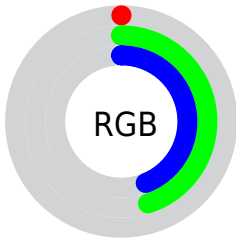
Format	Color
RYB	0, 59, 116
Decimal	29808
CIELab	43.74, -28.19, -5.69
CIELCh	44, 28.754, 191.414
Yxy	13.6606, 0.2275, 0.3389
Android (android.graphics.Color)	4278219888 (0xFF007470)
YUV	80.8600, 15.3520, -70.9142
Hunter-Lab	36.9602, -20.3928, -2.1650

Details

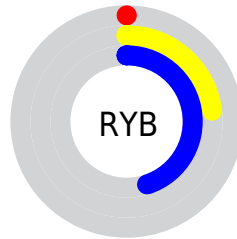
The Yxy color **13.6606, 0.2275, 0.3389** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.7246, 0.6335, 0.3265**, and the grayscale version is **8.1853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6760, 0.2481, 0.3373**, and **4.3845, 0.2281, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **13.6603, 0.2275, 0.3389**, and if you desaturate by 10%, it is **13.7455, 0.2295, 0.3378**.

Distribution



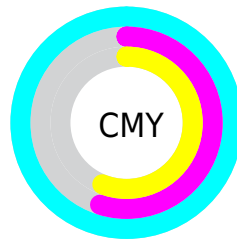
- Red (0%)
- Green (45%)
- Blue (44%)



- Red (0%)
- Yellow (23%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6606, 0.2275, 0.3389 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 13.6606, 0.2275, 0.3389 by changing the saturation by 10% instead.


 13.6606, 0.2275,
0.3389


 13.6606, 0.2275,
0.3389


 215.1091, 0.2777,
0.3340


 7.8850, 0.2116,
0.3398


 32.4856, 0.2480,
0.3373


 4.0214, 0.1887,
0.3404

 46.3038, 0.2550,
0.3366

 1.6856, 0.1528,
0.3398

 63.5716, 0.2606,
0.3360

 0.4143, 0.0000,
0.3280

 84.6734, 0.2652,
0.3355

 0.0000, 0.0000,
0.0000

 109.9937, 0.2691,
0.3351

 139.9168, 0.2724,

0.3347

174.8271, 0.2752,
0.3343

13.6606, 0.2275,
0.3389

13.6606, 0.2275,
0.3389

13.6603, 0.2275,
0.3389

13.7455, 0.2295,
0.3378

13.8643, 0.2326,
0.3367

14.0433, 0.2373,
0.3357

14.2894, 0.2437,
0.3346

14.6086, 0.2519,
0.3335

■ 15.0063, 0.2617,
0.3325

■ 15.4873, 0.2729,
0.3315

■ 16.0560, 0.2853,
0.3306

■ 16.7166, 0.2987,
0.3298

Harmonies

Analogous

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



13.6606, 0.2715, 0.3996



13.6606, 0.2275, 0.3389



13.6606, 0.2065, 0.2824

Triad

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



13.6606, 0.2275, 0.3389



13.6606, 0.2869, 0.2437



13.6606, 0.4242, 0.4018

Complementary

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



13.6606, 0.2275, 0.3389



3.7246, 0.6335, 0.3265

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.



13.6606, 0.4321, 0.3571



13.6606, 0.2275, 0.3389



13.6606, 0.3482, 0.2709

Square

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



13.6606, 0.2275, 0.3389



13.6606, 0.2380, 0.2345



13.6606, 0.4036, 0.3109



13.6606, 0.3854, 0.4336

Rectangle

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



13.6606, 0.2275, 0.3389



13.6606, 0.2063, 0.2559



13.6606, 0.4036, 0.3109



13.6606, 0.4307, 0.3877

Sweetspot

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



13.6611, 0.2275, 0.3389



27.1452, 0.2719, 0.3316



12.5293, 0.3018, 0.5984



6.4055, 0.2680, 0.3319



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.6611, 0.2275, 0.3389



24.0082, 0.2276, 0.3392



4.9118, 0.1837, 0.1813



4.1532, 0.2999, 0.3297



15.3293, 0.2275, 0.3390



74.6743, 0.2277, 0.3395

Inverse Universe

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



3.7246, 0.6335, 0.3265



6.5382, 0.6354, 0.3274



6.1928, 0.5486, 0.4024



3.7027, 0.3271, 0.3283



4.1761, 0.6341, 0.3267



20.3245, 0.6376, 0.3286

Previews

White Background



This preview shows how the Yxy color 13.6606, 0.2275, 0.3389 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 13.6606, 0.2275, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

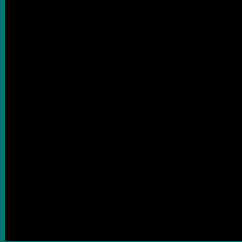
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6606, 0.2275, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 13.6606, 0.2275, 0.3389.



This preview shows how white text looks on a background with the Yxy color 13.6606, 0.2275, 0.3389.

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

13.6606, 0.2275, 0.3389

Protanopia

13.7032, 0.3142, 0.3268

Deuteranopia

13.4779, 0.3028, 0.2976



Tritanopia

13.6841, 0.2234, 0.3048

Trichromacy



Original Color

13.6606, 0.2275, 0.3389

Protanomaly

12.9800, 0.2637, 0.3313

Deuteranomaly

12.7519, 0.2570, 0.3099

Tritanomaly

13.7191, 0.2242, 0.3165

Monochromacy



Original Color

13.6606, 0.2275, 0.3389

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.5082, 0.2585, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6606, 0.2275, 0.3389 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 112) }
```

Border

The CSS property to change the border of an element to Yxy 13.6606, 0.2275, 0.3389 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, 112) }
```

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

```
.border{ border-color:rgb(0, 116, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6606, 0.2275, 0.3389 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, 112) }
```

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

```
.background{ background-color: rgb(0, 116,  
112) }
```

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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