

Converting Colors

$Y_{xy}(13.4612, 0.2408, 0.3831)$

Have a look what the booklet for
Yxy(13.4612, 0.2408, 0.3831)
contains.

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Color

Yxy(13.3676, 0.2406, 0.3820)

Conversions

Conversions Part 1

Format	Color
Hex	057460
RGB	5, 116, 96
RGB Percent	2%, 45%, 38%
CMY	0.9805, 0.5451, 0.6235
CMYK	0.96, 0.00, 0.17, 0.55
HSL	169°, 92%, 24%
HSV	169°, 96%, 45%
XYZ	8.4195, 13.3676, 13.2066
YIQ	80.5310, -59.7360, -29.7520

Conversions

Conversions Part 2

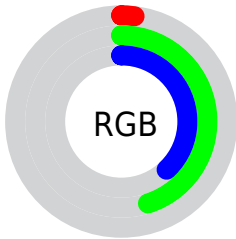
Format	Color
RYB	5, 66, 116
Decimal	357472
CIELab	43.31, -32.77, 3.26
CIELCh	43, 32.929, 174.317
Yxy	13.3676, 0.2406, 0.3820
Android (android.graphics.Color)	4278547552 (0xFF057460)
YUV	80.5310, 7.6262, -66.2407
Hunter-Lab	36.5617, -22.8778, 4.1768

Details

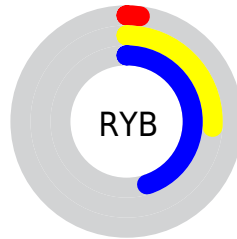
The Yxy color **13.3676, 0.2406, 0.3820** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8909, 0.5899, 0.3088**, and the grayscale version is **8.1232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0290, 0.2589, 0.3696**, and **4.2446, 0.2453, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **13.3197, 0.2402, 0.3847**, and if you desaturate by 10%, it is **13.4903, 0.2418, 0.3758**.

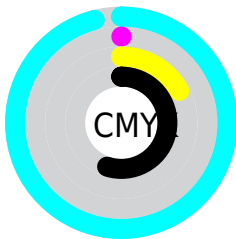
Distribution



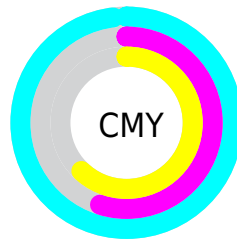
- Red (2%)
- Green (45%)
- Blue (38%)



- Red (2%)
- Yellow (26%)
- Blue (45%)



- Cyan (96%)
- Magenta (0%)
- Yellow (17%)
- Black (55%)




- Cyan (98%)
- Magenta (55%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3676, 0.2406, 0.3820 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 13.3676, 0.2406, 0.3820 by changing the saturation by 10% instead.


 13.3676, 0.2406,
0.3820


 13.3676, 0.2406,
0.3820


213.2603, 0.2841,
0.3496


 7.6822, 0.2261,
0.3932


 31.9626, 0.2587,
0.3683


 3.8923, 0.2046,
0.4102

 45.6410, 0.2648,
0.3638

 1.6135, 0.1645,
0.4417

 62.7525, 0.2696,
0.3602

 0.3667, 0.0000,
0.6816

 83.6815, 0.2735,
0.3573


 0.0000, 0.0000,
0.0000

 108.8124, 0.2768,
0.3549


 138.5295, 0.2796,

0.3528


 173.2174, 0.2820,
0.3511


 13.3676, 0.2406,
0.3820


 13.3676, 0.2406,
0.3820


 13.3197, 0.2402,
0.3847

 13.4903, 0.2418,
0.3758

 13.6643, 0.2445,
0.3696

 13.9026, 0.2490,
0.3635

 14.2116, 0.2552,
0.3574

 14.5970, 0.2630,
0.3516

■ 15.0640, 0.2722,
0.3460

■ 15.6172, 0.2825,
0.3408

■ 16.2609, 0.2938,
0.3359

■ 16.9991, 0.3057,
0.3314

Harmonies

Analogous

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



13.3676, 0.3011, 0.4414



13.3676, 0.2406, 0.3820



13.3676, 0.2020, 0.3091

Triad

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



13.3676, 0.2406, 0.3820



13.3676, 0.2485, 0.2239



13.3676, 0.4509, 0.3817

Complementary

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



13.3676, 0.2406, 0.3820



3.8909, 0.5899, 0.3088

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.



13.3676, 0.4367, 0.3293



13.3676, 0.2406, 0.3820



13.3676, 0.3120, 0.2436

Square

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



13.3676, 0.2406, 0.3820



13.3676, 0.2069, 0.2262



13.3676, 0.3832, 0.2808



13.3676, 0.4239, 0.4294

Rectangle

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



13.3676, 0.2406, 0.3820



13.3676, 0.1916, 0.2694



13.3676, 0.3832, 0.2808



13.3676, 0.4511, 0.3643

Sweetspot

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



13.3681, 0.2406, 0.3820



27.0422, 0.2782, 0.3428



12.7129, 0.3088, 0.5875



6.3729, 0.2747, 0.3446



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.



13.3681, 0.2406, 0.3820



23.3960, 0.2406, 0.3862



7.1542, 0.1990, 0.2317



4.1445, 0.3017, 0.3328



14.9448, 0.2403, 0.3850



72.7131, 0.2412, 0.3883

Inverse Universe

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



3.8909, 0.5899, 0.3088



6.6063, 0.6093, 0.3130



5.2501, 0.5718, 0.3756



3.7106, 0.3250, 0.3252



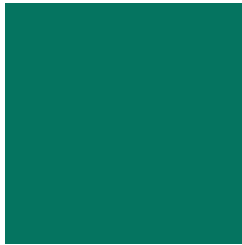
4.2249, 0.6052, 0.3108



20.4948, 0.6162, 0.3168

Previews

White Background



This preview shows how the Yxy color 13.3676, 0.2406, 0.3820 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 13.3676, 0.2406, 0.3820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

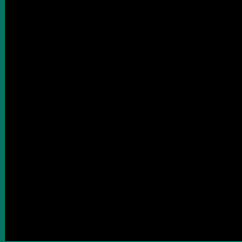
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3676, 0.2406, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 13.3676, 0.2406, 0.3820.



This preview shows how white text looks on a background with the Yxy color 13.3676, 0.2406, 0.3820.

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

13.3676, 0.2406, 0.3820

Protanopia

13.3498, 0.3380, 0.3576

Deuteranopia

13.3545, 0.3323, 0.3270



Tritanopia

13.3336, 0.2278, 0.3047

Trichromacy



Original Color

13.3676, 0.2406, 0.3820

Protanomaly

12.5902, 0.2828, 0.3665

Deuteranomaly

12.4598, 0.2793, 0.3436

Tritanomaly

13.1847, 0.2304, 0.3288

Monochromacy



Original Color

13.3676, 0.2406, 0.3820

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.4342, 0.2665, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3676, 0.2406, 0.3820 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(5, 116, 96)` looks like.

```
.text, #text, p{  
    color:rgb(5, 116, 96)  
}
```

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(5, 116, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 116, 96) }
```

Border

The CSS property to change the border of an element to Yxy 13.3676, 0.2406, 0.3820 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(5, 116, 96) }
```

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

```
.border{ border-color:rgb(5, 116, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 116, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 116, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 116, 96);  
box-shadow:4px 4px 4px 4px rgb(5, 116, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3676, 0.2406, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 116, 96) }
```

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

```
.background{ background-color: rgb(5, 116,  
96) }
```

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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