

Converting Colors

$Y_{xy}(12.4356, 0.2406, 0.3685)$

Have a look what the booklet for
Yxy(12.4356, 0.2406, 0.3685)
contains.

Yxy(12.3605, 0.2400, 0.3666)	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(12.3605, 0.2400, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	126F61
RGB	18, 111, 97
RGB Percent	7%, 44%, 38%
CMY	0.9291, 0.5647, 0.6197
CMYK	0.84, 0.00, 0.13, 0.56
HSL	171°, 72%, 25%
HSV	171°, 84%, 44%
XYZ	8.0920, 12.3605, 13.2641
YIQ	81.5970, -50.9340, -24.0700

Conversions

Conversions Part 2

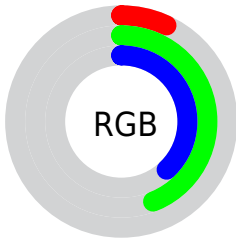
Format	Color
R_{YB}	18, 68, 111
Decimal	1208161
CIE _{Lab}	41.78, -29.11, 0.48
CIE _{LCh}	42, 29.111, 179.051
Yxy	12.3605, 0.2400, 0.3666
Android (android.graphics.Color)	4279398241 (0xFF126F61)
YUV	81.5970, 7.5937, -55.7746
Hunter-Lab	35.1575, -20.4414, 2.2415

Details

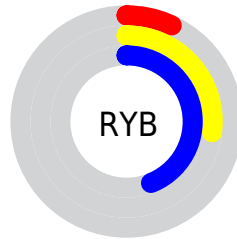
The Yxy color **12.3605, 0.2400, 0.3666** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.9198, 0.5533, 0.3083**, and the grayscale version is **8.3501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0818, 0.2581, 0.3556**, and **3.6843, 0.2386, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **12.2457, 0.2383, 0.3717**, and if you desaturate by 10%, it is **12.5270, 0.2433, 0.3615**.

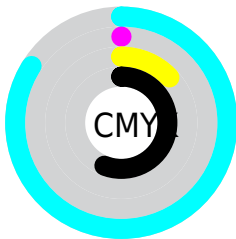
Distribution



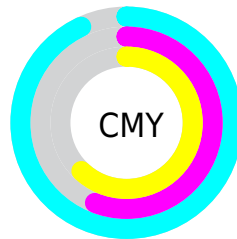
- Red (7%)
- Green (44%)
- Blue (38%)



- Red (7%)
- Yellow (27%)
- Blue (44%)



- Cyan (84%)
- Magenta (0%)
- Yellow (13%)
- Black (56%)





- Cyan (93%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3605, 0.2400, 0.3666 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 12.3605, 0.2400, 0.3666 by changing the saturation by 10% instead.


 12.3605, 0.2400,
0.3666


 12.3605, 0.2400,
0.3666


206.7775, 0.2840,
0.3438


 6.9897, 0.2252,
0.3743


 30.1500, 0.2584,
0.3570


 3.4557, 0.2032,
0.3859

 43.3375, 0.2645,
0.3539


 1.3740, 0.1578,
0.4096

 59.8993, 0.2694,
0.3513

 0.1974, 0.0000,
0.5213

 80.2199, 0.2734,
0.3493

 0.0000, 0.0000,
0.0000

 104.6836, 0.2767,
0.3476

 133.6748, 0.2795,

0.3461

167.5780, 0.2819,
0.3449

12.3605, 0.2400,
0.3666

12.3605, 0.2400,
0.3666

12.2457, 0.2383,
0.3717

12.5270, 0.2433,
0.3615

12.1815, 0.2375,
0.3749

12.7522, 0.2484,
0.3565

13.0421, 0.2552,
0.3515

13.4017, 0.2635,
0.3468

13.8355, 0.2732,
0.3422

■ 14.3476, 0.2840,
0.3379

■ 14.9418, 0.2957,
0.3339

■ 15.6216, 0.3080,
0.3303

■ 16.3905, 0.3208,
0.3269

Harmonies

Analogous

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



12.3605, 0.2933, 0.4237



12.3605, 0.2400, 0.3666



12.3605, 0.2079, 0.3022

Triad

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



12.3605, 0.2400, 0.3666



12.3605, 0.2623, 0.2339



12.3605, 0.4371, 0.3860

Complementary

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



12.3605, 0.2400, 0.3666



3.9198, 0.5533, 0.3083

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.



12.3605, 0.4298, 0.3378



12.3605, 0.2400, 0.3666



12.3605, 0.3227, 0.2549

Square

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



12.3605, 0.2400, 0.3666



12.3605, 0.2201, 0.2329



12.3605, 0.3862, 0.2916



12.3605, 0.4082, 0.4270

Rectangle

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



12.3605, 0.2400, 0.3666



12.3605, 0.2007, 0.2682



12.3605, 0.3862, 0.2916



12.3605, 0.4391, 0.3702

Sweetspot

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



12.3610, 0.2400, 0.3666



25.4995, 0.2818, 0.3388



11.7456, 0.3113, 0.5677



6.0646, 0.2788, 0.3399



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.3610, 0.2400, 0.3666



21.7986, 0.2379, 0.3762



7.0187, 0.2060, 0.2413



3.8070, 0.3014, 0.3322



14.3516, 0.2376, 0.3753



71.3906, 0.2384, 0.3781

Inverse Universe

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



3.9198, 0.5533, 0.3083



6.1092, 0.6157, 0.3165



5.6249, 0.5303, 0.3841



3.4090, 0.3253, 0.3259



4.0263, 0.6120, 0.3145



19.9734, 0.6223, 0.3202

Previews

White Background



This preview shows how the Yxy color 12.3605, 0.2400, 0.3666 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 12.3605, 0.2400, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

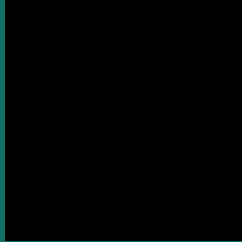
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3605, 0.2400, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 12.3605, 0.2400, 0.3666.



This preview shows how white text looks on a background with the Yxy color 12.3605, 0.2400, 0.3666.

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

12.3605, 0.2400, 0.3666

Protanopia

12.2983, 0.3301, 0.3472

Deuteranopia

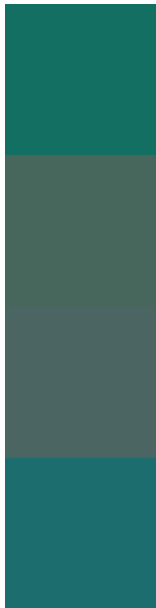
12.2303, 0.3240, 0.3181



Tritanopia

12.3496, 0.2291, 0.3064

Trichromacy



Original Color

12.3605, 0.2400, 0.3666

Protanomaly

11.8304, 0.2822, 0.3542

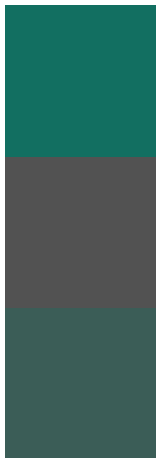
Deuteranomaly

11.7041, 0.2797, 0.3338

Tritanomaly

12.3099, 0.2322, 0.3262

Monochromacy



Original Color

12.3605, 0.2400, 0.3666

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.4466, 0.2721, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3605, 0.2400, 0.3666 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(18, 111, 97)` looks like.

```
.text, #text, p{  
    color:rgb(18, 111, 97)  
}
```

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(18, 111, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 111, 97) }
```

Border

The CSS property to change the border of an element to Yxy 12.3605, 0.2400, 0.3666 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(18, 111, 97) }
```

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

```
.border{ border-color:rgb(18, 111, 97) }
```

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

Here you see how a box with a 4 pixel rgb(18, 111, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 111, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 111, 97);  
box-shadow:4px 4px 4px 4px rgb(18, 111,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3605, 0.2400, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 111, 97) }
```

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

```
.background{ background-color: rgb(18, 111,  
97) }
```

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