

Converting Colors

$Yxy(13.7467, 0.2309, 0.3864)$

Have a look what the booklet for
Yxy(13.7467, 0.2309, 0.3864)
contains.

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Color

Yxy(14.0567, 0.2407, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	007761
RGB	0, 119, 97
RGB Percent	0%, 47%, 38%
CMY	1.0000, 0.5333, 0.6196
CMYK	1.00, 0.00, 0.18, 0.53
HSL	169°, 100%, 23%
HSV	169°, 100%, 47%
XYZ	8.7541, 14.0567, 13.5584
YIQ	80.9110, -63.8620, -32.0700

Conversions

Conversions Part 2

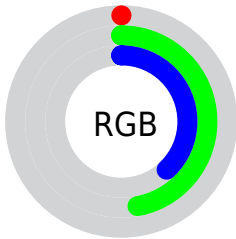
Format	Color
RYB	0, 66, 119
Decimal	30561
CIELab	44.31, -34.17, 4.12
CIELCh	44, 34.420, 173.130
Yxy	14.0567, 0.2407, 0.3865
Android (android.graphics.Color)	4278220641 (0xFF007761)
YUV	80.9110, 7.9319, -70.9589
Hunter-Lab	37.4923, -23.9335, 4.8034

Details

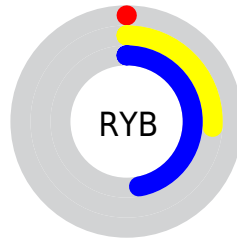
The Yxy color **14.0567, 0.2407, 0.3865** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.9803, 0.6032, 0.3097**, and the grayscale version is **8.2040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2209, 0.2585, 0.3708**, and **4.4953, 0.2461, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **14.0572, 0.2407, 0.3865**, and if you desaturate by 10%, it is **14.1763, 0.2415, 0.3801**.

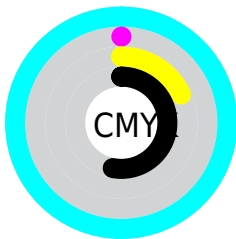
Distribution



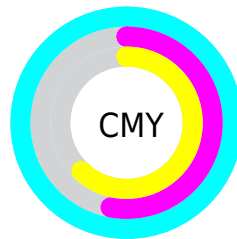
- Red (0%)
- Green (47%)
- Blue (38%)



- Red (0%)
- Yellow (26%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0567, 0.2407, 0.3865 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 14.0567, 0.2407, 0.3865 by changing the saturation by 10% instead.


 14.0567, 0.2407,
0.3865


 14.0567, 0.2407,
0.3865


 217.5833, 0.2839,
0.3514


 8.1601, 0.2265,
0.3985


 33.1896, 0.2586,
0.3717


 4.1976, 0.2054,
0.4168

 47.1947, 0.2646,
0.3668

 1.7847, 0.1690,
0.4489

 64.6714, 0.2695,
0.3629

 0.4776, 0.0000,
0.6729

 86.0042, 0.2734,
0.3598

 0.0000, 0.0000,
0.0000

 111.5773, 0.2767,
0.3571

 141.7753, 0.2795,


0.3549


 176.9825, 0.2818,
0.3530

 14.0567, 0.2407,
0.3865


 14.0567, 0.2407,
0.3865


 14.0572, 0.2407,
0.3865

 14.1763, 0.2415,
0.3801

 14.3335, 0.2434,
0.3737

 14.5554, 0.2471,
0.3673

 14.8496, 0.2525,
0.3610

 15.2224, 0.2596,
0.3549

■ 15.6796, 0.2682,
0.3490

■ 16.2262, 0.2781,
0.3434

■ 16.8671, 0.2889,
0.3382

■ 17.6067, 0.3006,
0.3334

Harmonies

Analogous

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



14.0567, 0.3033, 0.4465



14.0567, 0.2407, 0.3865



14.0567, 0.2003, 0.3110

Triad

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



14.0567, 0.2407, 0.3865



14.0567, 0.2447, 0.2211



14.0567, 0.4549, 0.3805

Complementary

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



14.0567, 0.2407, 0.3865



3.9803, 0.6032, 0.3097

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.



14.0567, 0.4386, 0.3269



14.0567, 0.2407, 0.3865



14.0567, 0.3090, 0.2404

Square

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



14.0567, 0.2407, 0.3865



14.0567, 0.2032, 0.2242



14.0567, 0.3824, 0.2778



14.0567, 0.4284, 0.4299

Rectangle

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



14.0567, 0.2407, 0.3865



14.0567, 0.1889, 0.2696



14.0567, 0.3824, 0.2778



14.0567, 0.4545, 0.3626

Sweetspot

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



14.0572, 0.2407, 0.3865



28.9741, 0.2773, 0.3438



13.3862, 0.3088, 0.5930



6.7840, 0.2738, 0.3457



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.0572, 0.2407, 0.3865



25.1526, 0.2411, 0.3881



7.5652, 0.1978, 0.2322



4.1442, 0.3017, 0.3329



14.9329, 0.2408, 0.3867



72.6530, 0.2417, 0.3901

Inverse Universe

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



3.9803, 0.6032, 0.3097



7.1107, 0.6086, 0.3126



5.1662, 0.5896, 0.3701



3.7109, 0.3249, 0.3251



4.2273, 0.6039, 0.3100



20.5046, 0.6150, 0.3162

Previews

White Background



This preview shows how the Yxy color 14.0567, 0.2407, 0.3865 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 14.0567, 0.2407, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

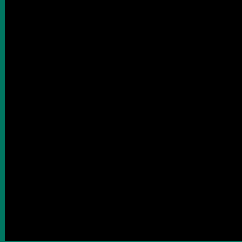
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0567, 0.2407, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 14.0567, 0.2407, 0.3865.



This preview shows how white text looks on a background with the Yxy color 14.0567, 0.2407, 0.3865.

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

14.0567, 0.2407, 0.3865

Protanopia

13.9369, 0.3418, 0.3614

Deuteranopia

13.9599, 0.3348, 0.3291



Tritanopia

14.0995, 0.2279, 0.3052

Trichromacy



Original Color

14.0567, 0.2407, 0.3865

Protanomaly

13.0121, 0.2832, 0.3712

Deuteranomaly

13.1011, 0.2788, 0.3482

Tritanomaly

13.8992, 0.2305, 0.3312

Monochromacy



Original Color

14.0567, 0.2407, 0.3865

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.6026, 0.2646, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0567, 0.2407, 0.3865 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, 119, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 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(0, 119, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 97) }
```

Border

The CSS property to change the border of an element to Yxy 14.0567, 0.2407, 0.3865 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, 119, 97) }
```

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

```
.border{ border-color:rgb(0, 119, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0567, 0.2407, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 97) }
```

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

```
.background{ background-color: rgb(0, 119,  
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](#).

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