

Converting Colors

$Yxy(13.1630, 0.2302, 0.3901)$

Have a look what the booklet for
Yxy(13.1630, 0.2302, 0.3901)
contains.

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Color

Yxy(13.5307, 0.2417, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	00755E
RGB	0, 117, 94
RGB Percent	0%, 46%, 37%
CMY	1.0000, 0.5412, 0.6313
CMYK	1.00, 0.00, 0.20, 0.54
HSL	168°, 100%, 23%
HSV	168°, 100%, 46%
XYZ	8.3813, 13.5307, 12.7644
YIQ	79.3950, -62.3490, -31.9570

Conversions

Conversions Part 2

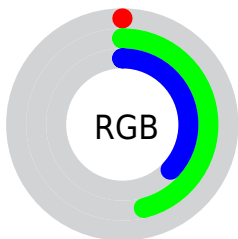
Format	Color
RYB	0, 65, 117
Decimal	30046
CIELab	43.55, -34.14, 4.79
CIElCh	44, 34.476, 172.009
Yxy	13.5307, 0.2417, 0.3902
Android (android.graphics.Color)	4278220126 (0xFF00755E)
YUV	79.3950, 7.2003, -69.6294
Hunter-Lab	36.7841, -23.7009, 5.1748

Details

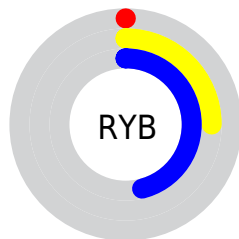
The Yxy color **13.5307, 0.2417, 0.3902** is a dark color, and the websafe version is hex **006666**, and the color name is **tropical rain forest**. A complement of this color would be **3.8439, 0.5997, 0.3077**, and the grayscale version is **7.8945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2996, 0.2600, 0.3750**, and **4.3476, 0.2489, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **13.5319, 0.2417, 0.3902**, and if you desaturate by 10%, it is **13.6499, 0.2425, 0.3833**.

Distribution



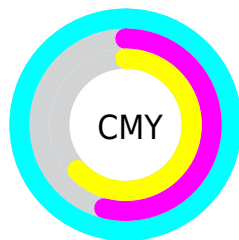
- Red (0%)
- Green (46%)
- Blue (37%)



- Red (0%)
- Yellow (25%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5307, 0.2417, 0.3902 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 13.5307, 0.2417, 0.3902 by changing the saturation by 10% instead.


 13.5307, 0.2417,
0.3902


 13.5307, 0.2417,
0.3902


 214.2914, 0.2846,
0.3525


 7.7950, 0.2273,
0.4033


 32.2540, 0.2596,
0.3742


 3.9641, 0.2059,
0.4235


 46.0103, 0.2656,
0.3689


 1.6535, 0.1653,
0.4613

 63.2090, 0.2704,
0.3648

 0.3933, 0.0000,
0.8086


 84.2345, 0.2743,
0.3614


 0.0000, 0.0000,
0.0000


 109.4710, 0.2775,
0.3586


 139.3031, 0.2802,


0.3563


 174.1151, 0.2826,
0.3543


 13.5307, 0.2417,
0.3902

 13.5307, 0.2417,
0.3902

 13.5319, 0.2417,
0.3902

 13.6499, 0.2425,
0.3833

 13.8039, 0.2443,
0.3765

 14.0204, 0.2479,
0.3697

 14.3066, 0.2533,
0.3630

 14.6686, 0.2603,
0.3565

■ 15.1117, 0.2688,
0.3502

■ 15.6410, 0.2785,
0.3443

■ 16.2611, 0.2893,
0.3388

■ 16.9761, 0.3007,
0.3337

Harmonies

Analogous

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



13.5307, 0.3056, 0.4498



13.5307, 0.2417, 0.3902



13.5307, 0.1998, 0.3133

Triad

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



13.5307, 0.2417, 0.3902



13.5307, 0.2417, 0.2195



13.5307, 0.4570, 0.3789

Complementary

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



13.5307, 0.2417, 0.3902



3.8439, 0.5997, 0.3077

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.



13.5307, 0.4390, 0.3248



13.5307, 0.2417, 0.3902



13.5307, 0.3062, 0.2382

Square

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



13.5307, 0.2417, 0.3902



13.5307, 0.2007, 0.2235



13.5307, 0.3807, 0.2754



13.5307, 0.4315, 0.4295

Rectangle

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



13.5307, 0.2417, 0.3902



13.5307, 0.1877, 0.2707



13.5307, 0.3807, 0.2754



13.5307, 0.4562, 0.3608

Sweetspot

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



13.5319, 0.2417, 0.3902



27.9276, 0.2777, 0.3447



12.9103, 0.3088, 0.5930



6.3461, 0.2744, 0.3467



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.



13.5319, 0.2417, 0.3902



24.2112, 0.2422, 0.3919



7.3043, 0.1979, 0.2323



4.1435, 0.3019, 0.3332



14.9061, 0.2418, 0.3905



72.5173, 0.2428, 0.3942

Inverse Universe

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



3.8439, 0.5997, 0.3077



6.8663, 0.6053, 0.3108



4.9902, 0.5893, 0.3703



3.7115, 0.3248, 0.3249



4.2330, 0.6007, 0.3083



20.5280, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 13.5307, 0.2417, 0.3902 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 13.5307, 0.2417, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

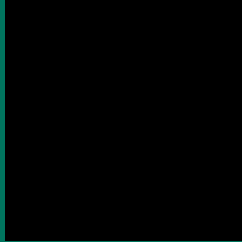
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5307, 0.2417, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 13.5307, 0.2417, 0.3902.



This preview shows how white text looks on a background with the Yxy color 13.5307, 0.2417, 0.3902.

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

13.5307, 0.2417, 0.3902

Protanopia

13.3790, 0.3424, 0.3619

Deuteranopia

13.3829, 0.3367, 0.3312



Tritanopia

13.5727, 0.2288, 0.3072

Trichromacy



Original Color

13.5307, 0.2417, 0.3902

Protanomaly

12.5188, 0.2839, 0.3719

Deuteranomaly

12.5876, 0.2806, 0.3511

Tritanomaly

13.3751, 0.2314, 0.3338

Monochromacy



Original Color

13.5307, 0.2417, 0.3902

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.1469, 0.2650, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5307, 0.2417, 0.3902 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, 117, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 94)  
}
```

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, 117, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 94) }
```

Border

The CSS property to change the border of an element to Yxy 13.5307, 0.2417, 0.3902 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, 117, 94) }
```

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

```
.border{ border-color:rgb(0, 117, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5307, 0.2417, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 94) }
```

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

```
.background{ background-color: rgb(0, 117,  
94) }
```

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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