

Converting Colors

$Y_{xy}(13.4759, 0.2577, 0.4468)$

Have a look what the booklet for
Yxy(13.4759, 0.2577, 0.4468)
contains.

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Color

Yxy(13.4713, 0.2580, 0.4478)

Conversions

Conversions Part 1

Format	Color
Hex	01764B
RGB	1, 118, 75
RGB Percent	0%, 46%, 29%
CMY	0.9960, 0.5373, 0.7058
CMYK	0.99, 0.00, 0.36, 0.54
HSL	158°, 98%, 23%
HSV	158°, 99%, 46%
XYZ	7.7615, 13.4713, 8.8505
YIQ	78.1150, -55.9290, -38.1770

Conversions

Conversions Part 2

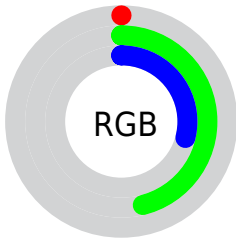
Format	Color
RYB	1, 73, 118
Decimal	95819
CIELab	43.46, -39.39, 15.89
CIELCh	43, 42.476, 158.032
Yxy	13.4713, 0.2580, 0.4478
Android (android.graphics.Color)	4278285899 (0xFF01764B)
YUV	78.1150, -1.5357, -67.6299
Hunter-Lab	36.7033, -26.4841, 11.3953

Details

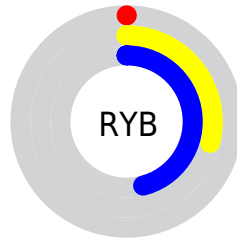
The Yxy color **13.4713, 0.2580, 0.4478** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0556, 0.5385, 0.2751**, and the grayscale version is **7.6540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1176, 0.2735, 0.4147**, and **4.2280, 0.2723, 0.5002** is the 20% darker color. If you saturate the color by 10%, you get **13.4601, 0.2581, 0.4490**, and if you desaturate by 10%, it is **13.6109, 0.2573, 0.4342**.

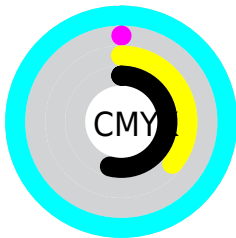
Distribution



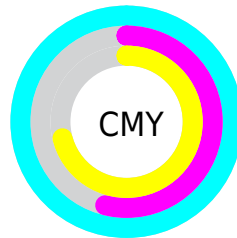
- Red (0%)
- Green (46%)
- Blue (29%)



- Red (0%)
- Yellow (29%)
- Blue (46%)



- Cyan (99%)
- Magenta (0%)
- Yellow (36%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4713, 0.2580, 0.4478 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 13.4713, 0.2580, 0.4478 by changing the saturation by 10% instead.


 13.4713, 0.2580,
0.4478


 13.4713, 0.2580,
0.4478


213.9165, 0.2928,
0.3723


 7.7539, 0.2451,
0.4758


 32.1479, 0.2732,
0.4148


 3.9379, 0.2244,
0.5204

 45.8759, 0.2781,
0.4042


 1.6389, 0.1747,
0.6288

 63.0429, 0.2819,
0.3960

 0.3836, 0.0000,
1.0000


 84.0333, 0.2849,
0.3894

 0.0000, 0.0000,
0.0000

 109.2315, 0.2874,
0.3840


 139.0218, 0.2895,


0.3794


 173.7886, 0.2913,
0.3756


 13.4713, 0.2580,
0.4478


 13.4713, 0.2580,
0.4478

 13.4601, 0.2581,
0.4490

 13.6109, 0.2573,
0.4342

 13.7941, 0.2579,
0.4206

 14.0447, 0.2604,
0.4071

 14.3698, 0.2645,
0.3937

 14.7757, 0.2703,
0.3808

■ 15.2680, 0.2774,
0.3686

■ 15.8519, 0.2855,
0.3572

■ 16.5318, 0.2944,
0.3467

■ 17.3123, 0.3038,
0.3370

Harmonies

Analogous

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



13.4713, 0.3405, 0.4948



13.4713, 0.2580, 0.4478



13.4713, 0.1952, 0.3516

Triad

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



13.4713, 0.2580, 0.4478



13.4713, 0.2007, 0.1972



13.4713, 0.4865, 0.3542

Complementary

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



13.4713, 0.2580, 0.4478



4.0556, 0.5385, 0.2751

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.



13.4713, 0.4397, 0.2933



13.4713, 0.2580, 0.4478



13.4713, 0.2644, 0.2078

Square

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



13.4713, 0.2580, 0.4478



13.4713, 0.1679, 0.2140



13.4713, 0.3528, 0.2417



13.4713, 0.4758, 0.4179

Rectangle

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



13.4713, 0.2580, 0.4478



13.4713, 0.1715, 0.2900



13.4713, 0.3528, 0.2417



13.4713, 0.4772, 0.3333

Sweetspot

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



13.4718, 0.2580, 0.4478



27.6959, 0.2841, 0.3590



13.5369, 0.3252, 0.5789



6.2879, 0.2814, 0.3627



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.



13.4718, 0.2580, 0.4478



23.6415, 0.2589, 0.4522



11.2864, 0.2151, 0.2936



4.1335, 0.3039, 0.3369



14.5593, 0.2582, 0.4495



70.7803, 0.2602, 0.4566

Inverse Universe

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



4.0556, 0.5385, 0.2751



7.0600, 0.5473, 0.2789



4.1862, 0.6232, 0.3413



3.7211, 0.3224, 0.3212



4.3561, 0.5421, 0.2760



21.0752, 0.5556, 0.2834

Previews

White Background



This preview shows how the Yxy color 13.4713, 0.2580, 0.4478 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 13.4713, 0.2580, 0.4478 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 13.4713, 0.2580, 0.4478

Background



This preview shows how black text looks on a background with the Yxy color 13.4713, 0.2580, 0.4478.



This preview shows how white text looks on a background with the Yxy color 13.4713, 0.2580, 0.4478.

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

13.4713, 0.2580, 0.4478

Protanopia

13.2996, 0.3739, 0.4026

Deuteranopia

13.3076, 0.3735, 0.3665



Tritanopia

13.4611, 0.2328, 0.3073

Trichromacy



Original Color

13.4713, 0.2580, 0.4478



Protanomaly

12.5196, 0.3083, 0.4242



Deuteranomaly

12.2310, 0.3082, 0.3973



Tritanomaly

13.2671, 0.2397, 0.3545

Monochromacy



Original Color

13.4713, 0.2580, 0.4478



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.0426, 0.2734, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4713, 0.2580, 0.4478 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(1, 118, 75)` looks like.

```
.text, #text, p{  
    color:rgb(1, 118, 75)  
}
```

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(1, 118, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 118, 75) }
```

Border

The CSS property to change the border of an element to Yxy 13.4713, 0.2580, 0.4478 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(1, 118, 75) }
```

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

```
.border{ border-color:rgb(1, 118, 75) }
```

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

Here you see how a box with a 4 pixel rgb(1, 118, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 118, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 118, 75);  
box-shadow:4px 4px 4px 4px rgb(1, 118, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4713, 0.2580, 0.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 118, 75) }
```

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

```
.background{ background-color: rgb(1, 118,  
75) }
```

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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