

Converting Colors

$Yxy(11.6201, 0.1746, 0.4810)$

Have a look what the booklet for
Yxy(11.6201, 0.1746, 0.4810)
contains.

Yxy(13.4379, 0.2594, 0.4538)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4379, 0.2594, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	007649
RGB	0, 118, 73
RGB Percent	0%, 46%, 29%
CMY	0.9999, 0.5373, 0.7137
CMYK	1.00, 0.00, 0.38, 0.54
HSL	157°, 100%, 23%
HSV	157°, 100%, 46%
XYZ	7.6813, 13.4379, 8.4927
YIQ	77.5880, -55.8830, -39.0110

Conversions

Conversions Part 2

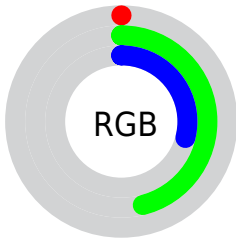
Format	Color
RYB	0, 73, 118
Decimal	30281
CIELab	43.42, -39.93, 16.99
CIElCh	43, 43.393, 156.952
Yxy	13.4379, 0.2594, 0.4538
Android (android.graphics.Color)	4278220361 (0xFF007649)
YUV	77.5880, -2.2619, -68.0447
Hunter-Lab	36.6577, -26.7478, 11.9244

Details

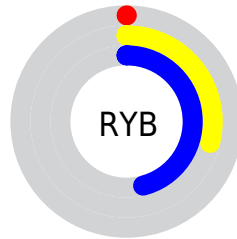
The Yxy color **13.4379, 0.2594, 0.4538** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0420, 0.5356, 0.2725**, and the grayscale version is **7.5512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0268, 0.2742, 0.4187**, and **4.2230, 0.2735, 0.5046** is the 20% darker color. If you saturate the color by 10%, you get **13.4381, 0.2594, 0.4538**, and if you desaturate by 10%, it is **13.5771, 0.2586, 0.4397**.

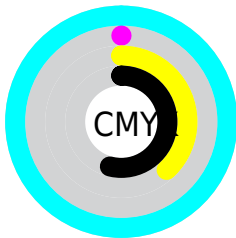
Distribution



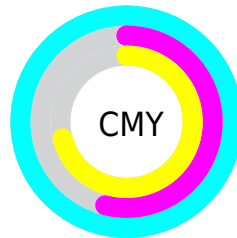
- Red (0%)
- Green (46%)
- Blue (29%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (54%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4379, 0.2594, 0.4538 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 13.4379, 0.2594, 0.4538 by changing the saturation by 10% instead.


 13.4379, 0.2594,
0.4538


 13.4379, 0.2594,
0.4538


213.7054, 0.2936,
0.3743


 7.7308, 0.2465,
0.4834


 32.0883, 0.2745,
0.4190


 3.9232, 0.2257,
0.5305

 45.8003, 0.2792,
0.4079


 1.6307, 0.1750,
0.6530

 62.9495, 0.2830,
0.3992

 0.3781, 0.0000,
1.0000

 83.9201, 0.2859,
0.3923


 0.0000, 0.0000,
0.0000


 109.0966, 0.2884,
0.3866


 138.8634, 0.2904,


0.3818


 173.6048, 0.2921,
0.3778


 13.4379, 0.2594,
0.4538


 13.4379, 0.2594,
0.4538

 13.4381, 0.2594,
0.4538

 13.5771, 0.2586,
0.4397

 13.7561, 0.2589,
0.4256

 14.0021, 0.2611,
0.4114

 14.3225, 0.2650,
0.3975

 14.7234, 0.2706,
0.3840

■ 15.2107, 0.2774,
0.3712

■ 15.7893, 0.2853,
0.3593

■ 16.4641, 0.2940,
0.3482

■ 17.2394, 0.3032,
0.3381

Harmonies

Analogous

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



13.4379, 0.3437, 0.4991



13.4379, 0.2594, 0.4538



13.4379, 0.1945, 0.3556

Triad

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



13.4379, 0.2594, 0.4538



13.4379, 0.1969, 0.1949



13.4379, 0.4895, 0.3519

Complementary

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



13.4379, 0.2594, 0.4538



4.0420, 0.5356, 0.2725

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.



13.4379, 0.4398, 0.2903



13.4379, 0.2594, 0.4538



13.4379, 0.2604, 0.2048

Square

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



13.4379, 0.2594, 0.4538



13.4379, 0.1647, 0.2129



13.4379, 0.3501, 0.2385



13.4379, 0.4802, 0.4167

Rectangle

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



13.4379, 0.2594, 0.4538



13.4379, 0.1698, 0.2919



13.4379, 0.3501, 0.2385



13.4379, 0.4793, 0.3307

Sweetspot

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



13.4384, 0.2594, 0.4538



27.6776, 0.2847, 0.3602



13.5209, 0.3249, 0.5802



6.2833, 0.2820, 0.3640



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.



13.4384, 0.2594, 0.4538



23.6022, 0.2603, 0.4571



11.2568, 0.2148, 0.2933



4.1327, 0.3041, 0.3372



14.5353, 0.2595, 0.4543



70.6616, 0.2616, 0.4617

Inverse Universe

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



4.0420, 0.5356, 0.2725



7.0815, 0.5417, 0.2758



4.1603, 0.6257, 0.3413



3.7218, 0.3222, 0.3209



4.3696, 0.5366, 0.2730



21.1376, 0.5500, 0.2803

Previews

White Background



This preview shows how the Yxy color 13.4379, 0.2594, 0.4538 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 13.4379, 0.2594, 0.4538 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 13.4379, 0.2594, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 13.4379, 0.2594, 0.4538.



This preview shows how white text looks on a background with the Yxy color 13.4379, 0.2594, 0.4538.

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

13.4379, 0.2594, 0.4538

Protanopia

13.2875, 0.3752, 0.4047

Deuteranopia

13.2785, 0.3765, 0.3706



Tritanopia

13.4611, 0.2328, 0.3073

Trichromacy



Original Color

13.4379, 0.2594, 0.4538

Protanomaly

12.4944, 0.3105, 0.4294

Deuteranomaly

12.1615, 0.3093, 0.4028

Tritanomaly

13.2671, 0.2397, 0.3545

Monochromacy



Original Color

13.4379, 0.2594, 0.4538

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

9.0286, 0.2746, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4379, 0.2594, 0.4538 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, 118, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 73)  
}
```

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, 118, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.4379, 0.2594, 0.4538 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, 118, 73) }
```

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

```
.border{ border-color:rgb(0, 118, 73) }
```

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

Here you see how a box with a 4 pixel rgb(0, 118, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4379, 0.2594, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 73) }
```

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

```
.background{ background-color: rgb(0, 118,  
73) }
```

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