

Converting Colors

$Yxy(13.2223, 0.1685, 0.4835)$

Have a look what the booklet for
Yxy(13.2223, 0.1685, 0.4835)
contains.

Yxy(15.4718, 0.2596, 0.4546)	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

$\text{Yxy}(15.4718, 0.2596, 0.4546)$

Conversions

Conversions Part 1

Format	Color
Hex	007E4E
RGB	0, 126, 78
RGB Percent	0%, 49%, 31%
CMY	1.0000, 0.5059, 0.6941
CMYK	1.00, 0.00, 0.38, 0.51
HSL	157°, 100%, 25%
HSV	157°, 100%, 49%
XYZ	8.8352, 15.4718, 9.7269
YIQ	82.8540, -59.6880, -41.6400

Conversions

Conversions Part 2

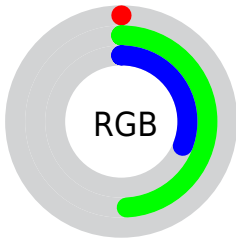
Format	Color
RYB	0, 78, 126
Decimal	32334
CIELab	46.27, -41.92, 17.96
CIELCh	46, 45.610, 156.807
Yxy	15.4718, 0.2596, 0.4546
Android (android.graphics.Color)	4278222414 (0xFF007E4E)
YUV	82.8540, -2.3930, -72.6630
Hunter-Lab	39.3342, -28.7404, 12.8722

Details

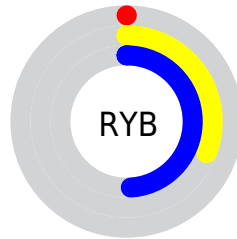
The Yxy color **15.4718, 0.2596, 0.4546** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.6494, 0.5375, 0.2735**, and the grayscale version is **8.6333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7945, 0.2745, 0.4219**, and **5.2787, 0.2737, 0.5054** is the 20% darker color. If you saturate the color by 10%, you get **15.4728, 0.2596, 0.4546**, and if you desaturate by 10%, it is **15.6267, 0.2586, 0.4405**.

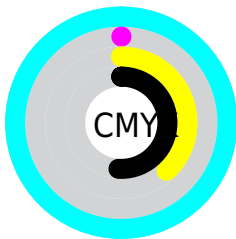
Distribution



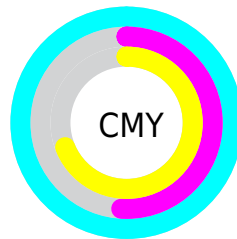
- Red (0%)
- Green (49%)
- Blue (31%)



- Red (0%)
- Yellow (31%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (51%)




- Cyan (100%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4718, 0.2596, 0.4546 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 15.4718, 0.2596, 0.4546 by changing the saturation by 10% instead.


 15.4718, 0.2596,
0.4546


 15.4718, 0.2596,
0.4546


226.2044, 0.2931,
0.3759


 9.1512, 0.2474,
0.4828


 35.6788, 0.2741,
0.4207


 4.8399, 0.2283,
0.5264

 50.3339, 0.2788,
0.4097


 2.1536, 0.1942,
0.6069

 68.5359, 0.2825,
0.4011

 0.6945, 0.0000,
1.0000

 90.6694, 0.2854,
0.3941

 0.0000, 0.0000,
0.0000

 117.1185, 0.2879,
0.3884

 148.2678, 0.2899,

0.3836

184.5017, 0.2916,
0.3795

■ 15.4718, 0.2596,
0.4546

■ 15.4718, 0.2596,
0.4546

■ 15.4728, 0.2596,
0.4546

■ 15.6267, 0.2586,
0.4405

■ 15.8300, 0.2588,
0.4263

■ 16.1108, 0.2609,
0.4120

■ 16.4780, 0.2648,
0.3980

■ 16.9389, 0.2703,
0.3844

■ 17.5004, 0.2772,
0.3716

■ 18.1684, 0.2851,
0.3595

■ 18.9485, 0.2938,
0.3484

■ 19.8459, 0.3031,
0.3382

Harmonies

Analogous

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



15.4718, 0.3441, 0.4996



15.4718, 0.2596, 0.4546



15.4718, 0.1945, 0.3562

Triad

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



15.4718, 0.2596, 0.4546



15.4718, 0.1964, 0.1946



15.4718, 0.4899, 0.3515

Complementary

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



15.4718, 0.2596, 0.4546



4.6494, 0.5375, 0.2735

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.



15.4718, 0.4398, 0.2899



15.4718, 0.2596, 0.4546



15.4718, 0.2599, 0.2044

Square

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



15.4718, 0.2596, 0.4546



15.4718, 0.1643, 0.2128



15.4718, 0.3497, 0.2380



15.4718, 0.4808, 0.4165

Rectangle

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



15.4718, 0.2596, 0.4546



15.4718, 0.1696, 0.2922



15.4718, 0.3497, 0.2380



15.4718, 0.4796, 0.3304

Sweetspot

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



15.4728, 0.2596, 0.4546



31.8893, 0.2845, 0.3603



15.5586, 0.3244, 0.5806



7.1578, 0.2817, 0.3644



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.4728, 0.2596, 0.4546



27.2054, 0.2605, 0.4577



12.9418, 0.2147, 0.2930



4.8600, 0.3040, 0.3373



15.8716, 0.2597, 0.4548



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6494, 0.5375, 0.2735



8.1575, 0.5432, 0.2766



4.7692, 0.6266, 0.3407



4.3693, 0.3224, 0.3208



4.7687, 0.5378, 0.2736



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.4718, 0.2596, 0.4546 looks on a white background.

Color Contrast Check

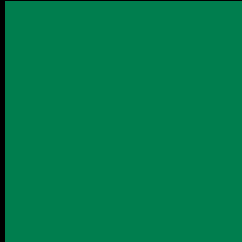
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4718, 0.2596, 0.4546 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 15.4718, 0.2596, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 15.4718, 0.2596, 0.4546.



This preview shows how white text looks on a background with the Yxy color 15.4718, 0.2596, 0.4546.

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

15.4718, 0.2596, 0.4546

Protanopia

15.3141, 0.3771, 0.4063

Deuteranopia

15.3948, 0.3785, 0.3719



Tritanopia

15.6025, 0.2322, 0.3063

Trichromacy



Original Color

15.4718, 0.2596, 0.4546

Protanomaly

14.2924, 0.3104, 0.4288

Deuteranomaly

14.1982, 0.3104, 0.4054

Tritanomaly

15.3280, 0.2397, 0.3555

Monochromacy



Original Color

15.4718, 0.2596, 0.4546

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

10.2746, 0.2740, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4718, 0.2596, 0.4546 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, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 78)  
}
```

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, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 78) }
```

Border

The CSS property to change the border of an element to Yxy 15.4718, 0.2596, 0.4546 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, 126, 78) }
```

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

```
.border{ border-color:rgb(0, 126, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4718, 0.2596, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 78) }
```

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

```
.background{ background-color: rgb(0, 126,  
78) }
```

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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