

Converting Colors

$Yxy(15.2150, 0.2585, 0.4506)$

Have a look what the booklet for
Yxy(15.2150, 0.2585, 0.4506)
contains.

Yxy(15.2317, 0.2583, 0.4499)	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

Yxy(15.2317, 0.2583, 0.4499)

Conversions

Conversions Part 1

Format	Color
Hex	007D4F
RGB	0, 125, 79
RGB Percent	0%, 49%, 31%
CMY	1.0000, 0.5098, 0.6901
CMYK	1.00, 0.00, 0.37, 0.51
HSL	158°, 100%, 25%
HSV	158°, 100%, 49%
XYZ	8.7449, 15.2317, 9.8791
YIQ	82.3810, -59.7340, -40.8060

Conversions

Conversions Part 2

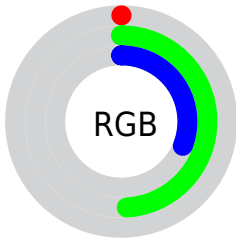
Format	Color
RYB	0, 77, 125
Decimal	32079
CIELab	45.95, -41.30, 16.94
CIELCh	46, 44.641, 157.699
Yxy	15.2317, 0.2583, 0.4499
Android (android.graphics.Color)	4278222159 (0xFF007D4F)
YUV	82.3810, -1.6668, -72.2481
Hunter-Lab	39.0278, -28.3023, 12.3114

Details

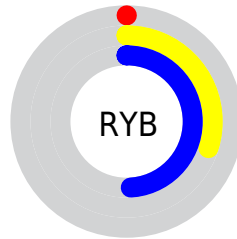
The Yxy color **15.2317, 0.2583, 0.4499** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.5573, 0.5425, 0.2762**, and the grayscale version is **8.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4184, 0.2737, 0.4186**, and **5.1476, 0.2720, 0.4992** is the 20% darker color. If you saturate the color by 10%, you get **15.2325, 0.2583, 0.4499**, and if you desaturate by 10%, it is **15.3837, 0.2574, 0.4363**.

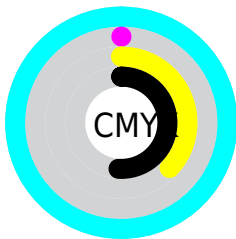
Distribution



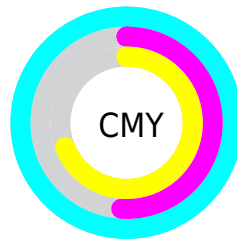
- Red (0%)
- Green (49%)
- Blue (31%)



- Red (0%)
- Yellow (30%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (51%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2317, 0.2583, 0.4499 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 15.2317, 0.2583, 0.4499 by changing the saturation by 10% instead.


 15.2317, 0.2583,
0.4499


 15.2317, 0.2583,
0.4499


224.7644, 0.2925,
0.3741

 8.9822, 0.2460,
0.4771


 35.2591, 0.2731,
0.4172


 4.7295, 0.2267,
0.5193

 49.8058, 0.2778,
0.4067


 2.0895, 0.1916,
0.5974

 67.8870, 0.2816,
0.3984

 0.6587, 0.0000,
1.0000

 89.8871, 0.2846,
0.3917

 0.0000, 0.0000,
0.0000

 116.1905, 0.2871,
0.3861

 147.1816, 0.2892,

0.3815

183.2447, 0.2910,
0.3775

■ 15.2317, 0.2583,
0.4499

■ 15.2317, 0.2583,
0.4499

■ 15.2325, 0.2583,
0.4499

■ 15.3837, 0.2574,
0.4363

■ 15.5826, 0.2578,
0.4226

■ 15.8574, 0.2600,
0.4089

■ 16.2167, 0.2640,
0.3954

■ 16.6677, 0.2696,
0.3824

■ 17.2170, 0.2766,
0.3700

■ 17.8705, 0.2846,
0.3584

■ 18.6336, 0.2935,
0.3477

■ 19.5114, 0.3029,
0.3379

Harmonies

Analogous

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



15.2317, 0.3414, 0.4965



15.2317, 0.2583, 0.4499



15.2317, 0.1948, 0.3528

Triad

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



15.2317, 0.2583, 0.4499



15.2317, 0.1994, 0.1963



15.2317, 0.4877, 0.3535

Complementary

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



15.2317, 0.2583, 0.4499



4.5573, 0.5425, 0.2762

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.



15.2317, 0.4400, 0.2923



15.2317, 0.2583, 0.4499



15.2317, 0.2631, 0.2067

Square

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



15.2317, 0.2583, 0.4499



15.2317, 0.1667, 0.2135



15.2317, 0.3520, 0.2406



15.2317, 0.4774, 0.4177

Rectangle

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



15.2317, 0.2583, 0.4499



15.2317, 0.1707, 0.2905



15.2317, 0.3520, 0.2406



15.2317, 0.4781, 0.3325

Sweetspot

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



15.2325, 0.2583, 0.4499



31.9091, 0.2840, 0.3592



15.2941, 0.3245, 0.5805



7.1627, 0.2811, 0.3631



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.



15.2325, 0.2583, 0.4499



27.2480, 0.2592, 0.4530



12.7231, 0.2147, 0.2931



4.8609, 0.3038, 0.3370



15.8962, 0.2584, 0.4502



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5573, 0.5425, 0.2762



8.1343, 0.5484, 0.2795



4.6901, 0.6265, 0.3408



4.3684, 0.3225, 0.3211



4.7550, 0.5430, 0.2765



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.2317, 0.2583, 0.4499 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 15.2317, 0.2583, 0.4499 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 15.2317, 0.2583, 0.4499

Background



This preview shows how black text looks on a background with the Yxy color 15.2317, 0.2583, 0.4499.



This preview shows how white text looks on a background with the Yxy color 15.2317, 0.2583, 0.4499.

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

15.2317, 0.2583, 0.4499

Protanopia

15.0446, 0.3750, 0.4029

Deuteranopia

15.0527, 0.3747, 0.3686



Tritanopia

15.3141, 0.2318, 0.3061

Trichromacy



Original Color

15.2317, 0.2583, 0.4499



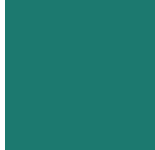
Protanomaly

14.0385, 0.3082, 0.4247



Deuteranomaly

13.9469, 0.3081, 0.4011



Tritanomaly

15.0693, 0.2387, 0.3532

Monochromacy



Original Color

15.2317, 0.2583, 0.4499



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

10.0595, 0.2725, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2317, 0.2583, 0.4499 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 $rgb(0, 125, 79)$ looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 79)  
}
```

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, 125, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 79) }
```

Border

The CSS property to change the border of an element to Yxy 15.2317, 0.2583, 0.4499 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, 125, 79) }
```

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

```
.border{ border-color:rgb(0, 125, 79) }
```

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

Here you see how a box with a 4 pixel rgb(0, 125, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 125, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2317, 0.2583, 0.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 79) }
```

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

```
.background{ background-color: rgb(0, 125,  
79) }
```

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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