

Converting Colors

$Yxy(13.7217, 0.2134, 0.4533)$

Have a look what the booklet for
Yxy(13.7217, 0.2134, 0.4533)
contains.

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Color

$\text{Yxy}(14.7600, 0.2557, 0.4405)$

Conversions

Conversions Part 1

Format	Color
Hex	007B51
RGB	0, 123, 81
RGB Percent	0%, 48%, 32%
CMY	1.0000, 0.5176, 0.6824
CMYK	1.00, 0.00, 0.34, 0.52
HSL	160°, 100%, 24%
HSV	160°, 100%, 48%
XYZ	8.5678, 14.7600, 10.1795
YIQ	81.4350, -59.8260, -39.1380

Conversions

Conversions Part 2

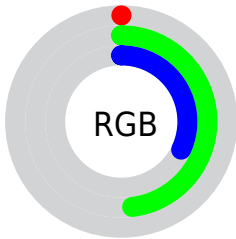
Format	Color
RYB	0, 74, 123
Decimal	31569
CIELab	45.30, -40.05, 14.92
CIELCh	45, 42.741, 159.564
Yxy	14.7600, 0.2557, 0.4405
Android (android.graphics.Color)	4278221649 (0xFF007B51)
YUV	81.4350, -0.2145, -71.4185
Hunter-Lab	38.4187, -27.4252, 11.1835

Details

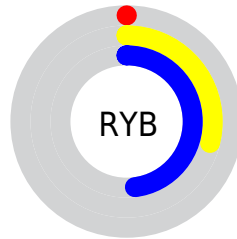
The Yxy color **14.7600, 0.2557, 0.4405** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3787, 0.5522, 0.2816**, and the grayscale version is **8.3292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2671, 0.2705, 0.4087**, and **4.8925, 0.2684, 0.4861** is the 20% darker color. If you saturate the color by 10%, you get **14.7605, 0.2557, 0.4405**, and if you desaturate by 10%, it is **14.9059, 0.2551, 0.4279**.

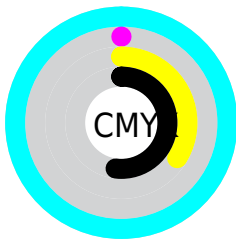
Distribution



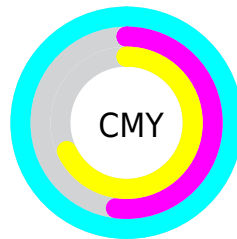
- Red (0%)
- Green (48%)
- Blue (32%)



- Red (0%)
- Yellow (29%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (52%)




- Cyan (100%)
- Magenta (52%)
- Yellow (68%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7600, 0.2557, 0.4405 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 14.7600, 0.2557, 0.4405 by changing the saturation by 10% instead.


 14.7600, 0.2557,
0.4405


 14.7600, 0.2557,
0.4405


221.9089, 0.2913,
0.3706


 8.6511, 0.2431,
0.4657


 34.4316, 0.2710,
0.4103


 4.5143, 0.2235,
0.5050

 48.7631, 0.2759,
0.4006


 1.9652, 0.1861,
0.5782

 66.6043, 0.2798,
0.3929

 0.5872, 0.0000,
1.0000


 88.3395, 0.2830,
0.3867


 0.0000, 0.0000,
0.0000

 114.3532, 0.2856,
0.3816


 145.0297, 0.2878,


0.3774

 180.7535, 0.2896,
0.3737


 14.7600, 0.2557,
0.4405


 14.7600, 0.2557,
0.4405


 14.7605, 0.2557,
0.4405

 14.9059, 0.2551,
0.4279

 15.0962, 0.2557,
0.4153

 15.3592, 0.2581,
0.4027

 15.7028, 0.2623,
0.3903

 16.1343, 0.2682,
0.3783

■ 16.6598, 0.2754,
0.3669

■ 17.2850, 0.2837,
0.3562

■ 18.0150, 0.2929,
0.3463

■ 18.8548, 0.3026,
0.3372

Harmonies

Analogous

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



14.7600, 0.3361, 0.4900



14.7600, 0.2557, 0.4405



14.7600, 0.1954, 0.3463

Triad

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



14.7600, 0.2557, 0.4405



14.7600, 0.2055, 0.1996



14.7600, 0.4833, 0.3574

Complementary

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



14.7600, 0.2557, 0.4405



4.3787, 0.5522, 0.2816

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.



14.7600, 0.4403, 0.2971



14.7600, 0.2557, 0.4405



14.7600, 0.2695, 0.2113

Square

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



14.7600, 0.2557, 0.4405



14.7600, 0.1716, 0.2149



14.7600, 0.3567, 0.2457



14.7600, 0.4706, 0.4199

Rectangle

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



14.7600, 0.2557, 0.4405



14.7600, 0.1732, 0.2872



14.7600, 0.3567, 0.2457



14.7600, 0.4751, 0.3368

Sweetspot

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



14.7606, 0.2557, 0.4405



30.8616, 0.2830, 0.3569



14.6815, 0.3211, 0.5833



7.1727, 0.2801, 0.3606



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.



14.7606, 0.2557, 0.4405



26.4034, 0.2565, 0.4434



11.4427, 0.2118, 0.2824



4.4903, 0.3035, 0.3364



15.2678, 0.2558, 0.4407



72.6648, 0.2575, 0.4471

Inverse Universe

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



4.3787, 0.5522, 0.2816



7.8154, 0.5583, 0.2849



4.6589, 0.6213, 0.3449



4.0356, 0.3228, 0.3217



4.5283, 0.5526, 0.2818



21.4553, 0.5657, 0.2890

Previews

White Background



This preview shows how the Yxy color 14.7600, 0.2557, 0.4405 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 14.7600, 0.2557, 0.4405 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 14.7600, 0.2557, 0.4405

Background



This preview shows how black text looks on a background with the Yxy color 14.7600, 0.2557, 0.4405.



This preview shows how white text looks on a background with the Yxy color 14.7600, 0.2557, 0.4405.

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

14.7600, 0.2557, 0.4405

Protanopia

14.7228, 0.3700, 0.3977

Deuteranopia

14.7324, 0.3694, 0.3631



Tritanopia

14.7685, 0.2317, 0.3058

Trichromacy



Original Color

14.7600, 0.2557, 0.4405

Protanomaly

13.8019, 0.3049, 0.4179

Deuteranomaly

13.4974, 0.3046, 0.3921

Tritanomaly

14.5525, 0.2379, 0.3510

Monochromacy



Original Color

14.7600, 0.2557, 0.4405

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.6899, 0.2719, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7600, 0.2557, 0.4405 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, 123, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 81)  
}
```

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, 123, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 81) }
```

Border

The CSS property to change the border of an element to Yxy 14.7600, 0.2557, 0.4405 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, 123, 81) }
```

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

```
.border{ border-color:rgb(0, 123, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 123, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7600, 0.2557, 0.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 81) }
```

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

```
.background{ background-color: rgb(0, 123,  
81) }
```

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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