

Converting Colors

$Y_{xy}(12.1654, 0.1740, 0.5115)$

Have a look what the booklet for
Yxy(12.1654, 0.1740, 0.5115)
contains.

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Color

Yxy(14.0800, 0.2657, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	007943
RGB	0, 121, 67
RGB Percent	0%, 47%, 26%
CMY	1.0000, 0.5255, 0.7373
CMYK	1.00, 0.00, 0.45, 0.53
HSL	153°, 100%, 24%
HSV	153°, 100%, 47%
XYZ	7.8495, 14.0800, 7.6131
YIQ	78.6650, -54.7820, -42.4460

Conversions

Conversions Part 2

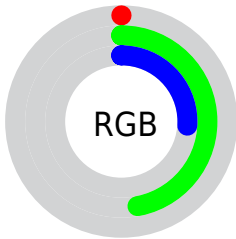
Format	Color
RYB	0, 78, 121
Decimal	31043
CIELab	44.35, -42.38, 21.65
CIELCh	44, 47.590, 152.936
Yxy	14.0800, 0.2657, 0.4766
Android (android.graphics.Color)	4278221123 (0xFF007943)
YUV	78.6650, -5.7508, -68.9892
Hunter-Lab	37.5233, -28.3256, 14.2370

Details

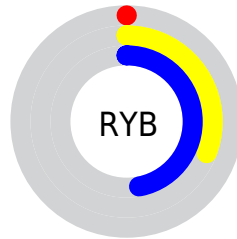
The Yxy color **14.0800, 0.2657, 0.4766** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3317, 0.5102, 0.2585**, and the grayscale version is **7.7709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0696, 0.2794, 0.4344**, and **4.5644, 0.2829, 0.5385** is the 20% darker color. If you saturate the color by 10%, you get **14.0811, 0.2657, 0.4766**, and if you desaturate by 10%, it is **14.2279, 0.2644, 0.4602**.

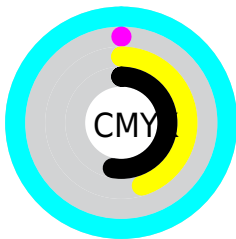
Distribution



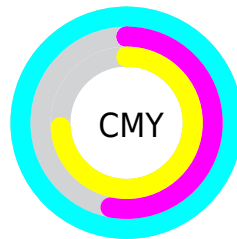
- Red (0%)
- Green (47%)
- Blue (26%)



- Red (0%)
- Yellow (31%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0800, 0.2657, 0.4766 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 14.0800, 0.2657, 0.4766 by changing the saturation by 10% instead.


 14.0800, 0.2657,
0.4766


 14.0800, 0.2657,
0.4766


217.7279, 0.2968,
0.3825


 8.1763, 0.2533,
0.5113


 33.2309, 0.2798,
0.4355


 4.2080, 0.2327,
0.5660

 47.2469, 0.2841,
0.4224


 1.7906, 0.1915,
0.7216

 64.7359, 0.2875,
0.4121

 0.4813, 0.0000,
1.0000


 86.0821, 0.2901,
0.4039


 0.0000, 0.0000,
0.0000


 111.6700, 0.2923,
0.3971


 141.8841, 0.2941,

0.3914


 177.1086, 0.2956,
0.3867

 14.0800, 0.2657,
0.4766

 14.0800, 0.2657,
0.4766


 14.0811, 0.2657,
0.4766

 14.2279, 0.2644,
0.4602

 14.4198, 0.2642,
0.4436

 14.6841, 0.2658,
0.4268

 15.0287, 0.2692,
0.4102

 15.4605, 0.2742,
0.3942

■ 15.9855, 0.2804,
0.3790

■ 16.6093, 0.2876,
0.3648

■ 17.3368, 0.2956,
0.3517

■ 18.1729, 0.3040,
0.3398

Harmonies

Analogous

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



14.0800, 0.3562, 0.5131



14.0800, 0.2657, 0.4766



14.0800, 0.1932, 0.3723

Triad

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



14.0800, 0.2657, 0.4766



14.0800, 0.1829, 0.1871



14.0800, 0.4995, 0.3424

Complementary

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



14.0800, 0.2657, 0.4766



4.3317, 0.5102, 0.2585

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.



14.0800, 0.4384, 0.2788



14.0800, 0.2657, 0.4766



14.0800, 0.2453, 0.1942

Square

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



14.0800, 0.2657, 0.4766



14.0800, 0.1536, 0.2098



14.0800, 0.3386, 0.2265



14.0800, 0.4962, 0.4107

Rectangle

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



14.0800, 0.2657, 0.4766



14.0800, 0.1642, 0.3005



14.0800, 0.3386, 0.2265



14.0800, 0.4859, 0.3204

Sweetspot

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



14.0811, 0.2657, 0.4766



29.6501, 0.2871, 0.3658



14.4728, 0.3326, 0.5741



6.6899, 0.2846, 0.3705



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.0811, 0.2657, 0.4766



25.1847, 0.2668, 0.4804



13.6317, 0.2205, 0.3139



4.4836, 0.3048, 0.3387



15.0865, 0.2659, 0.4771



71.7904, 0.2681, 0.4852

Inverse Universe

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



4.3317, 0.5102, 0.2585



7.7286, 0.5159, 0.2615



4.1966, 0.6341, 0.3347



4.0420, 0.3214, 0.3195



4.6395, 0.5110, 0.2589



21.9646, 0.5231, 0.2655

Previews

White Background



This preview shows how the Yxy color 14.0800, 0.2657, 0.4766 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 14.0800, 0.2657, 0.4766 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 14.0800, 0.2657, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 14.0800, 0.2657, 0.4766.



This preview shows how white text looks on a background with the Yxy color 14.0800, 0.2657, 0.4766.

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

14.0800, 0.2657, 0.4766

Protanopia

14.0849, 0.3870, 0.4205

Deuteranopia

13.9422, 0.3918, 0.3851



Tritanopia

14.2746, 0.2340, 0.3078

Trichromacy



Original Color

14.0800, 0.2657, 0.4766

Protanomaly

13.1442, 0.3193, 0.4498

Deuteranomaly

12.8728, 0.3215, 0.4233

Tritanomaly

13.9631, 0.2431, 0.3644

Monochromacy



Original Color

14.0800, 0.2657, 0.4766

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.1915, 0.2761, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0800, 0.2657, 0.4766 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, 121, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 67)  
}
```

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, 121, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 67) }
```

Border

The CSS property to change the border of an element to Yxy 14.0800, 0.2657, 0.4766 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, 121, 67) }
```

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

```
.border{ border-color:rgb(0, 121, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0800, 0.2657, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 67) }
```

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

```
.background{ background-color: rgb(0, 121,  
67) }
```

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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