

Converting Colors

$Y_{xy}(14.6203, 0.2636, 0.4690)$

Have a look what the booklet for
Yxy(14.6203, 0.2636, 0.4690)
contains.

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Color

Yxy(14.6209, 0.2635, 0.4687)

Conversions

Conversions Part 1

Format	Color
Hex	007B47
RGB	0, 123, 71
RGB Percent	0%, 48%, 28%
CMY	1.0000, 0.5176, 0.7215
CMYK	1.00, 0.00, 0.42, 0.52
HSL	155°, 100%, 24%
HSV	155°, 100%, 48%
XYZ	8.2198, 14.6209, 8.3539
YIQ	80.2950, -56.6160, -42.2480

Conversions

Conversions Part 2

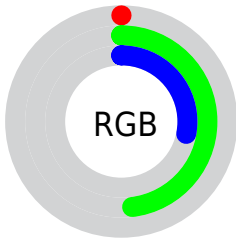
Format	Color
RYB	0, 78, 123
Decimal	31559
CIELab	45.11, -42.30, 20.38
CIELCh	45, 46.950, 154.275
Yxy	14.6209, 0.2635, 0.4687
Android (android.graphics.Color)	4278221639 (0xFF007B47)
YUV	80.2950, -4.5824, -70.4187
Hunter-Lab	38.2373, -28.5436, 13.8127

Details

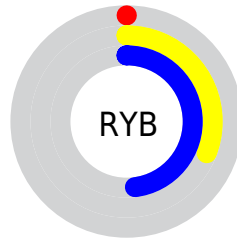
The Yxy color **14.6209, 0.2635, 0.4687** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.4590, 0.5203, 0.2640**, and the grayscale version is **8.1011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3781, 0.2779, 0.4309**, and **4.8397, 0.2797, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **14.6222, 0.2635, 0.4687**, and if you desaturate by 10%, it is **14.7722, 0.2623, 0.4531**.

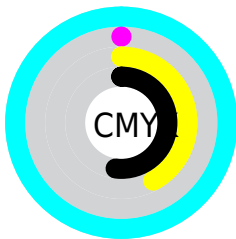
Distribution



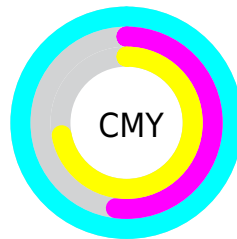
- Red (0%)
- Green (48%)
- Blue (28%)



- Red (0%)
- Yellow (31%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (52%)




- Cyan (100%)
- Magenta (52%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6209, 0.2635, 0.4687 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 14.6209, 0.2635, 0.4687 by changing the saturation by 10% instead.


 14.6209, 0.2635,
0.4687


 14.6209, 0.2635,
0.4687


221.0600, 0.2955,
0.3802


 8.5538, 0.2512,
0.5010


 34.1867, 0.2777,
0.4302


 4.4513, 0.2313,
0.5515

 48.4542, 0.2822,
0.4179

 1.9291, 0.1933,
0.6691

 66.2240, 0.2856,
0.4082

 0.5658, 0.0000,
1.0000

 87.8803, 0.2884,
0.4004

 0.0000, 0.0000,
0.0000

 113.8077, 0.2907,
0.3940

 144.3905, 0.2925,

0.3887

180.0132, 0.2941,
0.3841

14.6209, 0.2635,
0.4687

14.6209, 0.2635,
0.4687

14.6222, 0.2635,
0.4687

14.7722, 0.2623,
0.4531

14.9690, 0.2622,
0.4373

15.2404, 0.2640,
0.4215

15.5945, 0.2676,
0.4058

16.0384, 0.2727,
0.3907

■ 16.5785, 0.2792,
0.3763

■ 17.2205, 0.2867,
0.3629

■ 17.9696, 0.2950,
0.3505

■ 18.8307, 0.3037,
0.3392

Harmonies

Analogous

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



14.6209, 0.3519, 0.5085



14.6209, 0.2635, 0.4687



14.6209, 0.1936, 0.3664

Triad

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



14.6209, 0.2635, 0.4687



14.6209, 0.1877, 0.1898



14.6209, 0.4962, 0.3457

Complementary

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



14.6209, 0.2635, 0.4687



4.4590, 0.5203, 0.2640

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.



14.6209, 0.4390, 0.2828



14.6209, 0.2635, 0.4687



14.6209, 0.2505, 0.1978

Square

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



14.6209, 0.2635, 0.4687



14.6209, 0.1574, 0.2108



14.6209, 0.3426, 0.2306



14.6209, 0.4907, 0.4129

Rectangle

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



14.6209, 0.2635, 0.4687



14.6209, 0.1661, 0.2974



14.6209, 0.3426, 0.2306



14.6209, 0.4838, 0.3240

Sweetspot

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



14.6222, 0.2635, 0.4687



30.7441, 0.2861, 0.3638



14.9321, 0.3304, 0.5759



7.1424, 0.2834, 0.3684



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.



14.6222, 0.2635, 0.4687



26.1537, 0.2645, 0.4723



13.6470, 0.2191, 0.3088



4.4851, 0.3045, 0.3382



15.1244, 0.2636, 0.4689



71.9719, 0.2658, 0.4767

Inverse Universe

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



4.4590, 0.5203, 0.2640



7.9568, 0.5260, 0.2671



4.3893, 0.6323, 0.3361



4.0405, 0.3217, 0.3200



4.6114, 0.5207, 0.2642



21.8344, 0.5331, 0.2711

Previews

White Background



This preview shows how the Yxy color 14.6209, 0.2635, 0.4687 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 14.6209, 0.2635, 0.4687 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 14.6209, 0.2635, 0.4687

Background



This preview shows how black text looks on a background with the Yxy color 14.6209, 0.2635, 0.4687.



This preview shows how white text looks on a background with the Yxy color 14.6209, 0.2635, 0.4687.

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

14.6209, 0.2635, 0.4687

Protanopia

14.4027, 0.3826, 0.4140

Deuteranopia

14.4602, 0.3860, 0.3808



Tritanopia

14.7868, 0.2335, 0.3081

Trichromacy



Original Color

14.6209, 0.2635, 0.4687



Protanomaly

13.4494, 0.3160, 0.4413



Deuteranomaly

13.3517, 0.3163, 0.4173



Tritanomaly

14.4955, 0.2419, 0.3613

Monochromacy



Original Color

14.6209, 0.2635, 0.4687



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.6054, 0.2754, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6209, 0.2635, 0.4687 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 71) }
```

Border

The CSS property to change the border of an element to Yxy 14.6209, 0.2635, 0.4687 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, 71) }
```

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

```
.border{ border-color:rgb(0, 123, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 123, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.6209, 0.2635, 0.4687 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, 71) }
```

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

```
.background{ background-color: rgb(0, 123,  
71) }
```

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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