

Converting Colors

$Y_{xy}(14.4409, 0.2591, 0.4528)$

Have a look what the booklet for
Yxy(14.4409, 0.2591, 0.4528)
contains.

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Color

$\text{Yxy}(14.4409, 0.2591, 0.4528)$

Conversions

Conversions Part 1

Format	Color
Hex	007A4C
RGB	0, 122, 76
RGB Percent	0%, 48%, 30%
CMY	1.0000, 0.5216, 0.7020
CMYK	1.00, 0.00, 0.38, 0.52
HSL	157°, 100%, 24%
HSV	157°, 100%, 48%
XYZ	8.2633, 14.4409, 9.1882
YIQ	80.2780, -57.9460, -40.1700

Conversions

Conversions Part 2

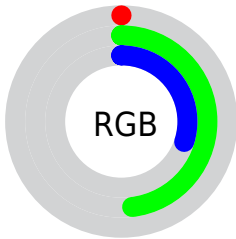
Format	Color
RYB	0, 75, 122
Decimal	31308
CIELab	44.86, -40.82, 17.20
CIELCh	45, 44.298, 157.147
Yxy	14.4409, 0.2591, 0.4528
Android (android.graphics.Color)	4278221388 (0xFF007A4C)
YUV	80.2780, -2.1091, -70.4038
Hunter-Lab	38.0012, -27.6874, 12.2652

Details

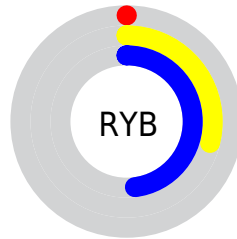
The Yxy color **14.4409, 0.2591, 0.4528** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3352, 0.5383, 0.2739**, and the grayscale version is **8.0922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7184, 0.2742, 0.4186**, and **4.7337, 0.2736, 0.5050** is the 20% darker color. If you saturate the color by 10%, you get **14.4418, 0.2591, 0.4528**, and if you desaturate by 10%, it is **14.5877, 0.2583, 0.4388**.

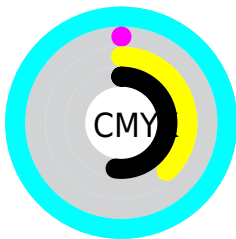
Distribution



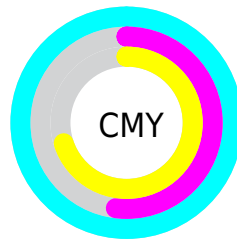
- Red (0%)
- Green (48%)
- Blue (30%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4409, 0.2591, 0.4528 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 14.4409, 0.2591, 0.4528 by changing the saturation by 10% instead.


 14.4409, 0.2591,
0.4528


 14.4409, 0.2591,
0.4528

219.9567, 0.2931,
0.3746


 8.4280, 0.2465,
0.4813


 33.8693, 0.2740,
0.4188


 4.3700, 0.2267,
0.5261

 48.0536, 0.2787,
0.4080


 1.8826, 0.1866,
0.6197

 65.7304, 0.2824,
0.3994

 0.5379, 0.0000,
1.0000

 87.2842, 0.2854,
0.3925

 0.0000, 0.0000,
0.0000

 113.0993, 0.2879,
0.3869

 143.5602, 0.2899,

0.3821

179.0512, 0.2917,
0.3781

14.4409, 0.2591,
0.4528

14.4409, 0.2591,
0.4528

14.4418, 0.2591,
0.4528

14.5877, 0.2583,
0.4388

14.7782, 0.2585,
0.4248

15.0408, 0.2607,
0.4108

15.3835, 0.2646,
0.3970

15.8131, 0.2702,
0.3836

■ 16.3359, 0.2771,
0.3709

■ 16.9573, 0.2850,
0.3591

■ 17.6826, 0.2938,
0.3481

■ 18.5164, 0.3031,
0.3381

Harmonies

Analogous

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



14.4409, 0.3431, 0.4984



14.4409, 0.2591, 0.4528



14.4409, 0.1946, 0.3549

Triad

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



14.4409, 0.2591, 0.4528



14.4409, 0.1975, 0.1952



14.4409, 0.4891, 0.3523

Complementary

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



14.4409, 0.2591, 0.4528



4.3352, 0.5383, 0.2739

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.



14.4409, 0.4399, 0.2908



14.4409, 0.2591, 0.4528



14.4409, 0.2611, 0.2053

Square

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



14.4409, 0.2591, 0.4528



14.4409, 0.1652, 0.2131



14.4409, 0.3506, 0.2390



14.4409, 0.4795, 0.4170

Rectangle

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



14.4409, 0.2591, 0.4528



14.4409, 0.1700, 0.2915



14.4409, 0.3506, 0.2390



14.4409, 0.4791, 0.3312

Sweetspot

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



14.4418, 0.2591, 0.4528



29.7457, 0.2844, 0.3599



14.5189, 0.3247, 0.5804



6.7137, 0.2817, 0.3638



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.



14.4418, 0.2591, 0.4528



25.3788, 0.2600, 0.4560



12.0820, 0.2148, 0.2932



4.4880, 0.3040, 0.3372



15.2022, 0.2592, 0.4531



72.3466, 0.2612, 0.4602

Inverse Universe

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



4.3352, 0.5383, 0.2739



7.6015, 0.5441, 0.2771



4.4583, 0.6262, 0.3410



4.0377, 0.3223, 0.3210



4.5624, 0.5389, 0.2742



21.6095, 0.5518, 0.2814

Previews

White Background



This preview shows how the Yxy color 14.4409, 0.2591, 0.4528 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 14.4409, 0.2591, 0.4528 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 14.4409, 0.2591, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 14.4409, 0.2591, 0.4528.



This preview shows how white text looks on a background with the Yxy color 14.4409, 0.2591, 0.4528.

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

14.4409, 0.2591, 0.4528

Protanopia

14.3826, 0.3758, 0.4064

Deuteranopia

14.3819, 0.3757, 0.3714



Tritanopia

14.5069, 0.2332, 0.3079

Trichromacy



Original Color

14.4409, 0.2591, 0.4528

Protanomaly

13.4727, 0.3092, 0.4290

Deuteranomaly

13.1641, 0.3092, 0.4029

Tritanomaly

14.2653, 0.2401, 0.3563

Monochromacy



Original Color

14.4409, 0.2591, 0.4528

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.4527, 0.2728, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4409, 0.2591, 0.4528 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, 122, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 76)  
}
```

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, 122, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 76) }
```

Border

The CSS property to change the border of an element to Yxy 14.4409, 0.2591, 0.4528 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, 122, 76) }
```

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

```
.border{ border-color:rgb(0, 122, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4409, 0.2591, 0.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 76) }
```

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

```
.background{ background-color: rgb(0, 122,  
76) }
```

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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