

Converting Colors

$Yxy(14.8316, 0.2840, 0.5423)$

Have a look what the booklet for
Yxy(14.8316, 0.2840, 0.5423)
contains.

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Color

Yxy(14.8416, 0.2841, 0.5426)

Conversions

Conversions Part 1

Format	Color
Hex	007D2B
RGB	0, 125, 43
RGB Percent	0%, 49%, 17%
CMY	0.9994, 0.5098, 0.8314
CMYK	1.00, 0.00, 0.66, 0.51
HSL	141°, 100%, 25%
HSV	141°, 100%, 49%
XYZ	7.7709, 14.8416, 4.7402
YIQ	78.2770, -48.1780, -52.0020

Conversions

Conversions Part 2

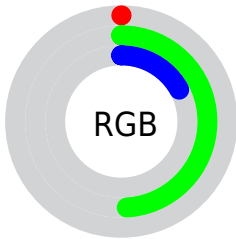
Format	Color
RYB	0, 93, 125
Decimal	32043
CIELab	45.42, -47.72, 35.53
CIELCh	45, 59.493, 143.325
Yxy	14.8416, 0.2841, 0.5426
Android (android.graphics.Color)	4278222123 (0xFF007D2B)
YUV	78.2770, -17.3916, -68.6489
Hunter-Lab	38.5248, -31.4128, 19.6721

Details

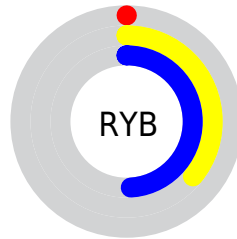
The Yxy color **14.8416, 0.2841, 0.5426** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9745, 0.4267, 0.2125**, and the grayscale version is **7.7228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6326, 0.2963, 0.4842**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.8406, 0.2841, 0.5428**, and if you desaturate by 10%, it is **14.9906, 0.2820, 0.5221**.

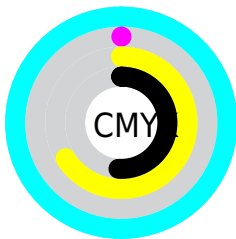
Distribution



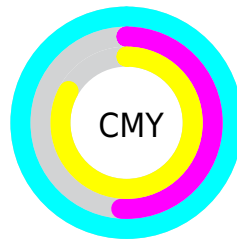
- Red (0%)
- Green (49%)
- Blue (17%)



- Red (0%)
- Yellow (36%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8416, 0.2841, 0.5426 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 14.8416, 0.2841, 0.5426 by changing the saturation by 10% instead.


 14.8416, 0.2841,
0.5426


 14.8416, 0.2841,
0.5426


222.4055, 0.3078,
0.4067


 8.7083, 0.2712,
0.5905


 34.5751, 0.2967,
0.4839

 4.5514, 0.2491,
0.6661

 48.9440, 0.3000,
0.4648

 1.9865, 0.1871,
0.8129

 66.8269, 0.3023,
0.4499

 0.5996, 0.0000,
1.0000

 88.6083, 0.3040,
0.4379

 0.0000, 0.0000,
0.0000

 114.6724, 0.3053,
0.4280

 145.4037, 0.3064,

0.4197

181.1866, 0.3072,
0.4127

■ 14.8416, 0.2841,
0.5426

■ 14.8416, 0.2841,
0.5426

■ 14.8406, 0.2841,
0.5428

■ 14.9906, 0.2820,
0.5221

■ 15.1955, 0.2808,
0.4997

■ 15.4850, 0.2811,
0.4757

■ 15.8682, 0.2831,
0.4512

■ 16.3528, 0.2863,
0.4271

■ 16.9458, 0.2906,
0.4040

■ 17.6534, 0.2956,
0.3824

■ 18.4816, 0.3011,
0.3626

■ 19.4357, 0.3069,
0.3448

Harmonies

Analogous

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



14.8416, 0.3901, 0.5428



14.8416, 0.2841, 0.5426



14.8416, 0.1908, 0.4283

Triad

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



14.8416, 0.2841, 0.5426



14.8416, 0.1464, 0.1668



14.8416, 0.5247, 0.3144

Complementary

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



14.8416, 0.2841, 0.5426



4.9745, 0.4267, 0.2125

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.



14.8416, 0.4289, 0.2466



14.8416, 0.2841, 0.5426



14.8416, 0.2039, 0.1661

Square

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



14.8416, 0.2841, 0.5426



14.8416, 0.1248, 0.2024



14.8416, 0.3030, 0.1939



14.8416, 0.5402, 0.3895

Rectangle

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



14.8416, 0.2841, 0.5426



14.8416, 0.1500, 0.3309



14.8416, 0.3030, 0.1939



14.8416, 0.5003, 0.2908

Sweetspot

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



14.8422, 0.2841, 0.5426



31.4989, 0.2952, 0.3842



16.5236, 0.3636, 0.5494



7.0616, 0.2934, 0.3914



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.



14.8422, 0.2841, 0.5426



26.5511, 0.2853, 0.5470



15.6711, 0.2391, 0.3807



4.8412, 0.3074, 0.3435



15.4883, 0.2842, 0.5432



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9745, 0.4267, 0.2125



8.8731, 0.4300, 0.2142



4.4170, 0.6087, 0.3129



4.3881, 0.3185, 0.3149



5.1865, 0.4271, 0.2127



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.8416, 0.2841, 0.5426 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 14.8416, 0.2841, 0.5426 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 14.8416, 0.2841, 0.5426

Background



This preview shows how black text looks on a background with the Yxy color 14.8416, 0.2841, 0.5426.



This preview shows how white text looks on a background with the Yxy color 14.8416, 0.2841, 0.5426.

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

14.8416, 0.2841, 0.5426

Protanopia

14.6484, 0.4178, 0.4583

Deuteranopia

14.6386, 0.4297, 0.4238



Tritanopia

14.9070, 0.2366, 0.3082

Trichromacy



Original Color

14.8416, 0.2841, 0.5426



Protanomaly

13.7243, 0.3440, 0.5033



Deuteranomaly

13.2419, 0.3516, 0.4777



Tritanomaly

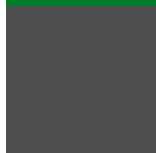
14.5845, 0.2520, 0.3900

Monochromacy



Original Color

14.8416, 0.2841, 0.5426



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.2442, 0.2884, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8416, 0.2841, 0.5426 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 43) }
```

Border

The CSS property to change the border of an element to Yxy 14.8416, 0.2841, 0.5426 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, 43) }
```

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

```
.border{ border-color:rgb(0, 125, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 43);  
box-shadow:4px 4px 4px 4px rgb(0, 125, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8416, 0.2841, 0.5426 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, 43) }
```

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

```
.background{ background-color: rgb(0, 125,  
43) }
```

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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