

Converting Colors

$Y_{xy}(14.8008, 0.2846, 0.5419)$

Have a look what the booklet for
Yxy(14.8008, 0.2846, 0.5419)
contains.

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Color

Yxy(14.8546, 0.2846, 0.5423)

Conversions

Conversions Part 1

Format	Color
Hex	027D2B
RGB	2, 125, 43
RGB Percent	1%, 49%, 17%
CMY	0.9917, 0.5098, 0.8314
CMYK	0.98, 0.00, 0.66, 0.51
HSL	140°, 97%, 25%
HSV	140°, 98%, 49%
XYZ	7.7957, 14.8546, 4.7415
YIQ	78.8750, -46.9860, -51.5780

Conversions

Conversions Part 2

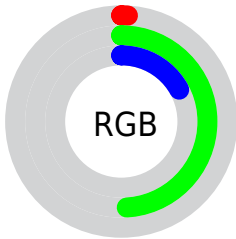
Format	Color
RYB	2, 94, 125
Decimal	163115
CIELab	45.43, -47.56, 35.56
CIELCh	45, 59.384, 143.218
Yxy	14.8546, 0.2846, 0.5423
Android (android.graphics.Color)	4278353195 (0xFF027D2B)
YUV	78.8750, -17.6864, -67.4194
Hunter-Lab	38.5417, -31.3432, 19.6851

Details

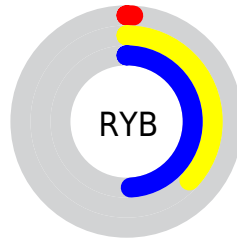
The Yxy color **14.8546, 0.2846, 0.5423** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.0478, 0.4204, 0.2104**, and the grayscale version is **7.8418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6752, 0.2970, 0.4840**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.8314, 0.2849, 0.5456**, and if you desaturate by 10%, it is **15.0075, 0.2825, 0.5215**.

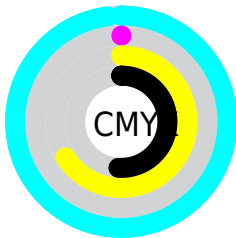
Distribution



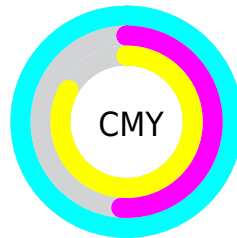
- Red (1%)
- Green (49%)
- Blue (17%)



- Red (1%)
- Yellow (37%)
- Blue (49%)



- Cyan (98%)
- Magenta (0%)
- Yellow (66%)
- Black (51%)





- Cyan (99%)
- Magenta (51%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8546, 0.2846, 0.5423 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 14.8546, 0.2846, 0.5423 by changing the saturation by 10% instead.


 14.8546, 0.2846,
0.5423

 14.8546, 0.2846,
0.5423


222.4845, 0.3080,
0.4066


 8.7174, 0.2718,
0.5901


 34.5979, 0.2970,
0.4837


 4.5573, 0.2498,
0.6655

 48.9728, 0.3003,
0.4647


 1.9899, 0.1887,
0.8113

 66.8624, 0.3026,
0.4498

 0.6016, 0.0000,
1.0000

 88.6511, 0.3043,
0.4377

 0.0000, 0.0000,
0.0000

 114.7232, 0.3056,
0.4279

 145.4632, 0.3066,

0.4196

181.2555, 0.3074,
0.4126

■ 14.8546, 0.2846,
0.5423

■ 14.8546, 0.2846,
0.5423

■ 14.8314, 0.2849,
0.5456

■ 15.0075, 0.2825,
0.5215

■ 15.2246, 0.2815,
0.4986

■ 15.5282, 0.2821,
0.4742

■ 15.9271, 0.2842,
0.4493

■ 16.4291, 0.2875,
0.4249

■ 17.0408, 0.2918,
0.4017

■ 17.7687, 0.2969,
0.3800

■ 18.6185, 0.3023,
0.3602

■ 19.5956, 0.3080,
0.3424

Harmonies

Analogous

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



14.8546, 0.3905, 0.5423



14.8546, 0.2846, 0.5423



14.8546, 0.1913, 0.4286

Triad

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



14.8546, 0.2846, 0.5423



14.8546, 0.1465, 0.1671



14.8546, 0.5240, 0.3142

Complementary

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



14.8546, 0.2846, 0.5423



5.0478, 0.4204, 0.2104

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.



14.8546, 0.4282, 0.2465



14.8546, 0.2846, 0.5423



14.8546, 0.2038, 0.1663

Square

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



14.8546, 0.2846, 0.5423



14.8546, 0.1251, 0.2029



14.8546, 0.3027, 0.1940



14.8546, 0.5399, 0.3892

Rectangle

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



14.8546, 0.2846, 0.5423



14.8546, 0.1504, 0.3314



14.8546, 0.3027, 0.1940



14.8546, 0.4996, 0.2907

Sweetspot

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



14.8552, 0.2846, 0.5423



31.6252, 0.2961, 0.3829



16.6543, 0.3665, 0.5455



7.0862, 0.2943, 0.3904



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.



14.8552, 0.2846, 0.5423



26.5346, 0.2861, 0.5498



15.6495, 0.2408, 0.3852



4.8405, 0.3075, 0.3437



15.4784, 0.2850, 0.5460



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.0478, 0.4204, 0.2104



8.9097, 0.4259, 0.2120



4.4745, 0.5994, 0.3100



4.3888, 0.3183, 0.3147



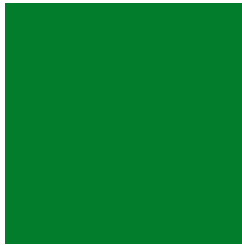
5.2077, 0.4232, 0.2105



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.8546, 0.2846, 0.5423 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



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 14.8546, 0.2846, 0.5423

Background



This preview shows how black text looks on a background with the Yxy color 14.8546, 0.2846, 0.5423.



This preview shows how white text looks on a background with the Yxy color 14.8546, 0.2846, 0.5423.

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

14.8546, 0.2846, 0.5423

Protanopia

14.6484, 0.4178, 0.4583

Deuteranopia

14.6386, 0.4297, 0.4238



Tritanopia

14.9327, 0.2372, 0.3083

Trichromacy



Original Color

14.8546, 0.2846, 0.5423



Protanomaly

13.7656, 0.3454, 0.5025



Deuteranomaly

13.2884, 0.3530, 0.4770



Tritanomaly

14.6008, 0.2525, 0.3900

Monochromacy



Original Color

14.8546, 0.2846, 0.5423



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

9.4629, 0.2886, 0.4181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8546, 0.2846, 0.5423 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(2, 125, 43)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 125, 43) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 14.8546, 0.2846, 0.5423 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(2, 125, 43) }
```

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

```
.border{ border-color:rgb(2, 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(2, 125, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 125, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 125, 43);  
box-shadow:4px 4px 4px 4px rgb(2, 125, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8546, 0.2846, 0.5423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 125, 43) }
```

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

```
.background{ background-color: rgb(2, 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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