

Converting Colors

$Y_{xy}(14.7912, 0.2949, 0.5135)$

Have a look what the booklet for
Yxy(14.7912, 0.2949, 0.5135)
contains.

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Color

Yxy(14.8363, 0.2947, 0.5134)

Conversions

Conversions Part 1

Format	Color
Hex	277B33
RGB	39, 123, 51
RGB Percent	15%, 48%, 20%
CMY	0.8472, 0.5176, 0.8000
CMYK	0.68, 0.00, 0.59, 0.52
HSL	129°, 52%, 32%
HSV	129°, 68%, 48%
XYZ	8.5163, 14.8363, 5.5456
YIQ	89.6760, -26.9520, -40.2000

Conversions

Conversions Part 2

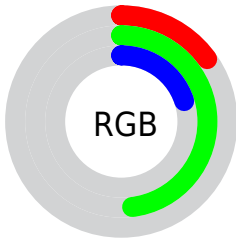
Format	Color
R _Y B	39, 113, 123
Decimal	2587443
CIE Lab	45.41, -40.96, 31.74
CIE LCh	45, 51.817, 142.223
Yxy	14.8363, 0.2947, 0.5134
Android (android.graphics.Color)	4280777523 (0xFF277B33)
YUV	89.6760, -19.0673, -44.4429
Hunter-Lab	38.5179, -27.9402, 18.4264




Details

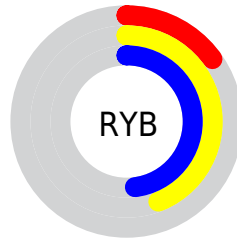
The Yxy color **14.8363, 0.2947, 0.5134** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.8081, 0.3429, 0.1985**, and the grayscale version is **10.1945, 0.3127, 0.3290**.




A 20% lighter version of the original color is **34.4037, 0.3028, 0.4621**, and **4.7695, 0.2986, 0.5951** is the 20% darker color. If you saturate the color by 10%, you get **14.5520, 0.2942, 0.5408**, and if you desaturate by 10%, it is **15.2208, 0.2961, 0.4835**.

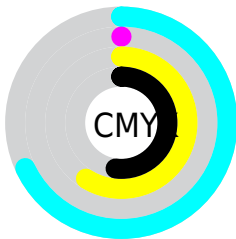
Distribution







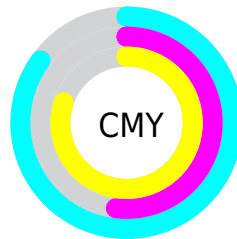
-  Red (15%)
-  Green (48%)
-  Blue (20%)






-  Red (15%)
-  Yellow (44%)
-  Blue (48%)



-  Cyan (68%)
-  Magenta (0%)
-  Yellow (59%)
-  Black (52%)





-  Cyan (85%)
-  Magenta (52%)
-  Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8363, 0.2947, 0.5134 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 14.8363, 0.2947, 0.5134 by changing the saturation by 10% instead.


 14.8363, 0.2947,
0.5134

 14.8363, 0.2947,
0.5134

222.3732, 0.3105,
0.3967


 8.7046, 0.2856,
0.5547


 34.5657, 0.3033,
0.4631


 4.5490, 0.2684,
0.6172

 48.9323, 0.3055,
0.4468


 1.9852, 0.2385,
0.7615

 66.8125, 0.3070,
0.4339

 0.5988, 0.0000,
1.0000

 88.5908, 0.3081,
0.4236

 0.0000, 0.0000,
0.0000

 114.6517, 0.3090,
0.4151

 145.3794, 0.3096,

0.4080

181.1585, 0.3101,
0.4019

■ 14.8363, 0.2947,
0.5134

■ 14.8363, 0.2947,
0.5134

■ 14.5520, 0.2942,
0.5408

■ 15.2208, 0.2961,
0.4835

■ 14.3568, 0.2947,
0.5639

■ 15.7118, 0.2982,
0.4530

■ 14.2288, 0.2956,
0.5818

■ 16.3172, 0.3008,
0.4231

■ 14.2095, 0.2956,
0.5843

■ 17.0436, 0.3038,
0.3951

■ 17.8971, 0.3070,
0.3693

■ 18.8835, 0.3101,
0.3462

■ 20.0080, 0.3132,
0.3257

■ 21.2759, 0.3162,
0.3078

■ 22.6918, 0.3190,
0.2921

Harmonies

Analogous

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



14.8363, 0.3904, 0.5174



14.8363, 0.2947, 0.5134



14.8363, 0.2088, 0.4194

Triad

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



14.8363, 0.2947, 0.5134



14.8363, 0.1611, 0.1838



14.8363, 0.4964, 0.3169

Complementary

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



14.8363, 0.2947, 0.5134



6.8081, 0.3429, 0.1985

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.



14.8363, 0.4109, 0.2540



14.8363, 0.2947, 0.5134



14.8363, 0.2134, 0.1812

Square

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



14.8363, 0.2947, 0.5134



14.8363, 0.1423, 0.2197



14.8363, 0.3015, 0.2060



14.8363, 0.5162, 0.3867

Rectangle

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



14.8363, 0.2947, 0.5134



14.8363, 0.1695, 0.3371



14.8363, 0.3015, 0.2060



14.8363, 0.4739, 0.2949

Sweetspot

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



14.8369, 0.2947, 0.5134



31.6938, 0.3063, 0.3747



17.7452, 0.3870, 0.4868



7.3786, 0.3055, 0.3806



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.



14.8369, 0.2947, 0.5134



25.8390, 0.2944, 0.5546



15.3741, 0.2605, 0.4062



4.4585, 0.3099, 0.3478



14.6978, 0.2957, 0.5845



70.0318, 0.2973, 0.5903

Inverse Universe

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



6.8081, 0.3429, 0.1985



10.3627, 0.3512, 0.1826



6.1001, 0.4441, 0.2711



4.0681, 0.3157, 0.3109



5.4195, 0.3593, 0.1753



25.7554, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 14.8363, 0.2947, 0.5134 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 14.8363, 0.2947, 0.5134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

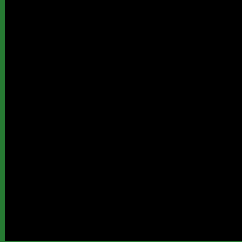
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.8363, 0.2947, 0.5134

Background



This preview shows how black text looks on a background with the Yxy color 14.8363, 0.2947, 0.5134.



This preview shows how white text looks on a background with the Yxy color 14.8363, 0.2947, 0.5134.

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

14.8363, 0.2947, 0.5134

Protanopia

14.6346, 0.4085, 0.4476

Deuteranopia

14.6234, 0.4197, 0.4133



Tritanopia

14.7342, 0.2443, 0.3062

Trichromacy



Original Color

14.8363, 0.2947, 0.5134

Protanomaly

14.1973, 0.3572, 0.4760

Deuteranomaly

14.0244, 0.3640, 0.4516

Tritanomaly

14.5956, 0.2631, 0.3783

Monochromacy



Original Color

14.8363, 0.2947, 0.5134

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.3641, 0.3027, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8363, 0.2947, 0.5134 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(39, 123, 51)` looks like.

```
.text, #text, p{  
    color:rgb(39, 123, 51)  
}
```

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(39, 123, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 123, 51) }
```

Border

The CSS property to change the border of an element to Yxy 14.8363, 0.2947, 0.5134 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(39, 123, 51) }
```

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

```
.border{ border-color:rgb(39, 123, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 123, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 123, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 123, 51);  
box-shadow:4px 4px 4px 4px rgb(39, 123,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8363, 0.2947, 0.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 123, 51) }
```

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

```
.background{ background-color: rgb(39, 123,  
51) }
```

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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