

Converting Colors

$Y_{xy}(14.9848, 0.2867, 0.4585)$

Have a look what the booklet for
Yxy(14.9848, 0.2867, 0.4585)
contains.

Yxy(15.0521, 0.2867, 0.4584)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(15.0521, 0.2867, 0.4584)$

Conversions

Conversions Part 1

Format	Color
Hex	327A47
RGB	50, 122, 71
RGB Percent	20%, 48%, 28%
CMY	0.8037, 0.5216, 0.7216
CMYK	0.59, 0.00, 0.42, 0.52
HSL	137°, 42%, 34%
HSV	137°, 59%, 48%
XYZ	9.4141, 15.0521, 8.3699
YIQ	94.6580, -26.5410, -31.1250

Conversions

Conversions Part 2

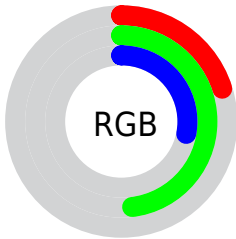
Format	Color
RYB	50, 106, 122
Decimal	3308103
CIELab	45.71, -34.63, 21.35
CIElCh	46, 40.684, 148.347
Yxy	15.0521, 0.2867, 0.4584
Android (android.graphics.Color)	4281498183 (0xFF327A47)
YUV	94.6580, -11.6634, -39.1651
Hunter-Lab	38.7970, -24.5817, 14.3669




Details

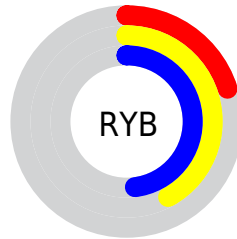
The Yxy color **15.0521, 0.2867, 0.4584** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.3638, 0.3597, 0.2300**, and the grayscale version is **11.3943, 0.3127, 0.3290**.




A 20% lighter version of the original color is **34.8996, 0.2949, 0.4233**, and **4.7093, 0.2792, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **14.6793, 0.2849, 0.4845**, and if you desaturate by 10%, it is **15.5247, 0.2897, 0.4325**.

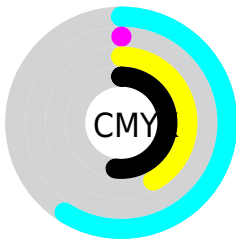
Distribution







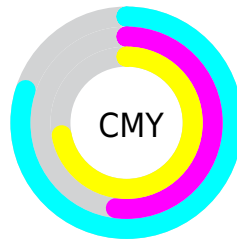
-  Red (20%)
-  Green (48%)
-  Blue (28%)






-  Red (20%)
-  Yellow (42%)
-  Blue (48%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (42%)
-  Black (52%)





-  Cyan (80%)
-  Magenta (52%)
-  Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0521, 0.2867, 0.4584 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 15.0521, 0.2867, 0.4584 by changing the saturation by 10% instead.


 15.0521, 0.2867,
0.4584


 15.0521, 0.2867,
0.4584


223.6814, 0.3046,
0.3773


 8.8560, 0.2791,
0.4874


 34.9446, 0.2950,
0.4234


 4.6473, 0.2662,
0.5323

 49.4097, 0.2975,
0.4121

 2.0419, 0.2484,
0.6284

 67.3999, 0.2994,
0.4032

 0.6316, 0.0000,
1.0000

 89.2996, 0.3009,
0.3960

 0.0000, 0.0000,
0.0000

 115.4932, 0.3021,
0.3901

 146.3651, 0.3031,

0.3851

182.2997, 0.3039,
0.3809

■ 15.0521, 0.2867,
0.4584

■ 15.0521, 0.2867,
0.4584

■ 14.6793, 0.2849,
0.4845

■ 15.5247, 0.2897,
0.4325

■ 14.3970, 0.2845,
0.5098

■ 16.1017, 0.2936,
0.4078

■ 14.1973, 0.2856,
0.5331

■ 16.7899, 0.2981,
0.3846

■ 14.0563, 0.2875,
0.5537

■ 17.5948, 0.3030,
0.3634

■ 14.0428, 0.2877,
0.5557

■ 18.5216, 0.3081,
0.3444

■ 19.5751, 0.3132,
0.3273

■ 20.7600, 0.3183,
0.3123

■ 22.0806, 0.3232,
0.2991

■ 23.5411, 0.3278,
0.2875

Harmonies

Analogous

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



15.0521, 0.3651, 0.4817



15.0521, 0.2867, 0.4584



15.0521, 0.2196, 0.3801

Triad

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



15.0521, 0.2867, 0.4584



15.0521, 0.1949, 0.2077



15.0521, 0.4651, 0.3350

Complementary

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



15.0521, 0.2867, 0.4584



7.3638, 0.3597, 0.2300

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.



15.0521, 0.4066, 0.2792



15.0521, 0.2867, 0.4584



15.0521, 0.2458, 0.2095

Square

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



15.0521, 0.2867, 0.4584



15.0521, 0.1730, 0.2339



15.0521, 0.3223, 0.2349



15.0521, 0.4732, 0.3949

Rectangle

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



15.0521, 0.2867, 0.4584



15.0521, 0.1900, 0.3200



15.0521, 0.3223, 0.2349



15.0521, 0.4505, 0.3156

Sweetspot

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



15.0527, 0.2867, 0.4584



31.0383, 0.3033, 0.3624



16.9513, 0.3650, 0.4770



7.0142, 0.3021, 0.3672



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.



15.0527, 0.2867, 0.4584



25.6229, 0.2846, 0.4941



15.6469, 0.2550, 0.3661



4.4674, 0.3081, 0.3445



14.7843, 0.2878, 0.5561



70.3914, 0.2902, 0.5648

Inverse Universe

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



7.3638, 0.3597, 0.2300



10.7129, 0.3753, 0.2136



6.8123, 0.4442, 0.2984



4.0586, 0.3177, 0.3140



5.0703, 0.4077, 0.2020



24.0324, 0.4134, 0.2051

Previews

White Background



This preview shows how the Yxy color 15.0521, 0.2867, 0.4584 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 15.0521, 0.2867, 0.4584 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 15.0521, 0.2867, 0.4584

Background



This preview shows how black text looks on a background with the Yxy color 15.0521, 0.2867, 0.4584.



This preview shows how white text looks on a background with the Yxy color 15.0521, 0.2867, 0.4584.

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

15.0521, 0.2867, 0.4584

Protanopia

14.9583, 0.3840, 0.4166

Deuteranopia

14.7977, 0.3898, 0.3839



Tritanopia

15.0953, 0.2480, 0.3087

Trichromacy



Original Color

15.0521, 0.2867, 0.4584

Protanomaly

14.5427, 0.3414, 0.4342

Deuteranomaly

14.3556, 0.3444, 0.4097

Tritanomaly

14.9374, 0.2624, 0.3599

Monochromacy



Original Color

15.0521, 0.2867, 0.4584

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.4373, 0.3010, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0521, 0.2867, 0.4584 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(50, 122, 71)` looks like.

```
.text, #text, p{  
    color:rgb(50, 122, 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(50, 122, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 122, 71) }
```

Border

The CSS property to change the border of an element to Yxy 15.0521, 0.2867, 0.4584 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(50, 122, 71) }
```

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

```
.border{ border-color:rgb(50, 122, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 122, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 122, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 122, 71);  
box-shadow:4px 4px 4px 4px rgb(50, 122,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0521, 0.2867, 0.4584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 122, 71) }
```

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

```
.background{ background-color: rgb(50, 122,  
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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