

Converting Colors

$Y_{xy}(16.7235, 0.3151, 0.4260)$

Have a look what the booklet for
Yxy(16.7235, 0.3151, 0.4260)
contains.

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Color

Yxy(16.7235, 0.3151, 0.4260)

Conversions

Conversions Part 1

Format	Color
Hex	567B50
RGB	86, 123, 80
RGB Percent	34%, 48%, 31%
CMY	0.6627, 0.5177, 0.6863
CMYK	0.30, 0.00, 0.35, 0.52
HSL	112°, 21%, 40%
HSV	112°, 35%, 48%
XYZ	12.3699, 16.7235, 10.1636
YIQ	107.0350, -8.2490, -21.2170

Conversions

Conversions Part 2

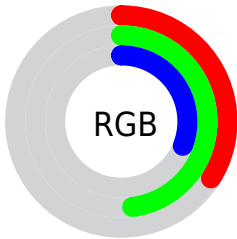
Format	Color
R_{YB}	80, 123, 117
Decimal	5667664
CIE _{Lab}	47.91, -22.09, 19.46
CIE _{LCh}	48, 29.441, 138.614
Yxy	16.7235, 0.3151, 0.4260
Android (android.graphics.Color)	4283857744 (0xFF567B50)
YUV	107.0350, -13.3283, -18.4477
Hunter-Lab	40.8944, -17.5718, 13.8905

Details

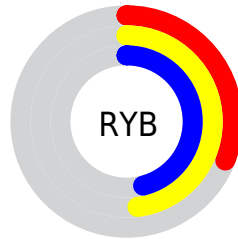
The Yxy color **16.7235, 0.3151, 0.4260** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.9459, 0.3072, 0.2441**, and the grayscale version is **14.7539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9807, 0.3153, 0.4009**, and **5.4310, 0.3106, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **16.0932, 0.3150, 0.4586**, and if you desaturate by 10%, it is **17.4628, 0.3148, 0.3950**.

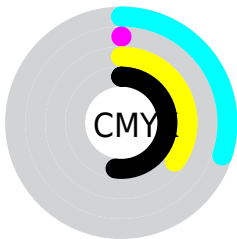
Distribution



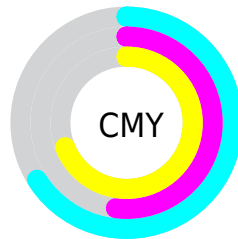
- Red (34%)
- Green (48%)
- Blue (31%)



- Red (31%)
- Yellow (48%)
- Blue (46%)



- Cyan (30%)
- Magenta (0%)
- Yellow (35%)
- Black (52%)





- Cyan (66%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7235, 0.3151, 0.4260 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 16.7235, 0.3151, 0.4260 by changing the saturation by 10% instead.


 16.7235, 0.3151,
0.4260


 16.7235, 0.3151,
0.4260


233.5739, 0.3151,
0.3670


 10.0376, 0.3141,
0.4460

 37.8498, 0.3156,
0.4012


 5.4239, 0.3117,
0.4759

 53.0589, 0.3156,
0.3930


 2.4980, 0.3059,
0.5261

 71.8778, 0.3156,
0.3864

 0.8757, 0.2508,
0.7492

 94.6910, 0.3155,
0.3811

 0.0000, 0.0000,
0.0000

 121.8828, 0.3154,
0.3767

153.8376, 0.3153,

0.3729

190.9399, 0.3152,
0.3697

■ 16.7235, 0.3151,
0.4260

■ 16.7235, 0.3151,
0.4260

■ 16.0932, 0.3150,
0.4586

■ 17.4628, 0.3148,
0.3950

■ 15.5647, 0.3144,
0.4916

■ 18.3137, 0.3141,
0.3665

■ 15.1332, 0.3131,
0.5231


■ 19.2814, 0.3132,
0.3407

■ 14.7928, 0.3112,
0.5511


■ 20.3700, 0.3122,
0.3178

■ 14.5367, 0.3088,
0.5734


■ 21.5836, 0.3111,
0.2977


 14.3563, 0.3061,
0.5890

 22.9260, 0.3100,
0.2800

 14.2871, 0.3052,
0.5959

 24.4008, 0.3089,
0.2646

 26.0115, 0.3078,
0.2512

 27.7615, 0.3067,
0.2395

Harmonies

Analogous

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



16.7235, 0.3708, 0.4329



16.7235, 0.3151, 0.4260



16.7235, 0.2615, 0.3835

Triad

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



16.7235, 0.3151, 0.4260



16.7235, 0.2185, 0.2451



16.7235, 0.4091, 0.3223

Complementary

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



16.7235, 0.3151, 0.4260



10.9459, 0.3072, 0.2441

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.



16.7235, 0.3608, 0.2815



16.7235, 0.3151, 0.4260



16.7235, 0.2506, 0.2384

Square

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



16.7235, 0.3151, 0.4260



16.7235, 0.2092, 0.2742



16.7235, 0.3016, 0.2518



16.7235, 0.4284, 0.3672

Rectangle

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



16.7235, 0.3151, 0.4260



16.7235, 0.2341, 0.3443



16.7235, 0.3016, 0.2518



16.7235, 0.3955, 0.3079

Sweetspot

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



16.7242, 0.3151, 0.4260



33.5872, 0.3137, 0.3540



17.4074, 0.3666, 0.4007



7.8634, 0.3138, 0.3570



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.



16.7242, 0.3151, 0.4260



29.0232, 0.3151, 0.4522



16.6978, 0.2927, 0.3923



4.4745, 0.3136, 0.3509



14.7786, 0.3052, 0.5959



70.2681, 0.3032, 0.5975

Inverse Universe

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



10.9459, 0.3072, 0.2441



17.0181, 0.3053, 0.2246



11.0286, 0.3406, 0.2734



4.0504, 0.3117, 0.3078



4.6319, 0.2869, 0.1354



21.8165, 0.2851, 0.1344

Previews

White Background



This preview shows how the Yxy color 16.7235, 0.3151, 0.4260 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 16.7235, 0.3151, 0.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

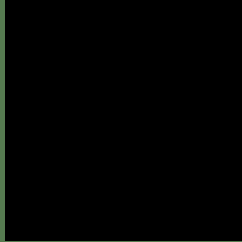
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7235, 0.3151, 0.4260

Background



This preview shows how black text looks on a background with the Yxy color 16.7235, 0.3151, 0.4260.



This preview shows how white text looks on a background with the Yxy color 16.7235, 0.3151, 0.4260.

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

16.7235, 0.3151, 0.4260

Protanopia

16.5430, 0.3738, 0.4021

Deuteranopia

16.6301, 0.3832, 0.3780



Tritanopia

16.6346, 0.2745, 0.3083

Trichromacy



Original Color

16.7235, 0.3151, 0.4260

Protanomaly

16.5734, 0.3517, 0.4125

Deuteranomaly

16.4257, 0.3570, 0.3942

Tritanomaly

16.5436, 0.2890, 0.3484

Monochromacy



Original Color

16.7235, 0.3151, 0.4260

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.3260, 0.3137, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7235, 0.3151, 0.4260 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(86, 123, 80)` looks like.

```
.text, #text, p{  
  color:rgb(86, 123, 80)  
}
```

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(86, 123, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 123, 80) }
```

Border

The CSS property to change the border of an element to Yxy 16.7235, 0.3151, 0.4260 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(86, 123, 80) }
```

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

```
.border{ border-color:rgb(86, 123, 80) }
```

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

Here you see how a box with a 4 pixel rgb(86, 123, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 123, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 123, 80);  
box-shadow:4px 4px 4px 4px rgb(86, 123,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7235, 0.3151, 0.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 123, 80) }
```

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

```
.background{ background-color: rgb(86, 123,  
80) }
```

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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