

Converting Colors

$Y_{xy}(16.0252, 0.3098, 0.4121)$

Have a look what the booklet for
Yxy(16.0252, 0.3098, 0.4121)
contains.

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Color

Yxy(16.0043, 0.3100, 0.4113)

Conversions

Conversions Part 1

Format	Color
Hex	557854
RGB	85, 120, 84
RGB Percent	33%, 47%, 33%
CMY	0.6667, 0.5294, 0.6705
CMYK	0.29, 0.00, 0.30, 0.53
HSL	118°, 18%, 40%
HSV	118°, 30%, 47%
XYZ	12.0626, 16.0043, 10.8446
YIQ	105.4310, -9.3040, -18.6160

Conversions

Conversions Part 2

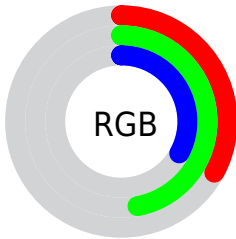
Format	Color
R_{YB}	84, 120, 119
Decimal	5601364
CIE _{Lab}	46.98, -20.20, 15.88
CIE _{LCh}	47, 25.692, 141.827
Y _{xy}	16.0043, 0.3100, 0.4113
Android (android.graphics.Color)	4283791444 (0xFF557854)
YUV	105.4310, -10.5655, -17.9180
Hunter-Lab	40.0054, -16.1874, 11.9315

Details

The Yxy color **16.0043, 0.3100, 0.4113** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.6245, 0.3145, 0.2579**, and the grayscale version is **14.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4605, 0.3117, 0.3890**, and **5.0650, 0.3052, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **15.3306, 0.3088, 0.4441**, and if you desaturate by 10%, it is **16.8018, 0.3111, 0.3809**.

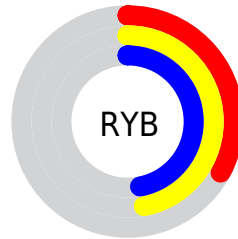
Distribution



Red (33%)

Green (47%)

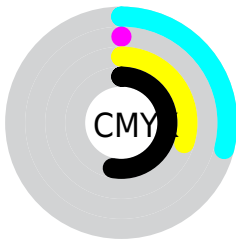
Blue (33%)



Red (33%)

Yellow (47%)

Blue (47%)

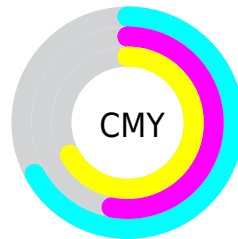


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (53%)



Cyan (67%)


Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0043, 0.3100, 0.4113 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 16.0043, 0.3100, 0.4113 by changing the saturation by 10% instead.


 16.0043, 0.3100,
0.4113


 16.0043, 0.3100,
0.4113


229.3671, 0.3126,
0.3611


 9.5272, 0.3085,
0.4285


 36.6057, 0.3114,
0.3901


 5.0866, 0.3055,
0.4545

 51.4987, 0.3118,
0.3831


 2.2982, 0.2989,
0.4981

 69.9659, 0.3121,
0.3776

 0.7727, 0.2380,
0.7620

 92.3915, 0.3122,
0.3730

 0.0000, 0.0000,
0.0000

 119.1601, 0.3124,
0.3693

150.6560, 0.3125,

0.3661

187.2635, 0.3125,
0.3634

■ 16.0043, 0.3100,
0.4113

■ 16.0043, 0.3100,
0.4113

■ 15.3306, 0.3088,
0.4441

■ 16.8018, 0.3111,
0.3809

■ 14.7726, 0.3074,
0.4781

■ 17.7267, 0.3120,
0.3534

■ 14.3244, 0.3059,
0.5116

■ 18.7850, 0.3127,
0.3290

■ 13.9787, 0.3043,
0.5423

■ 19.9817, 0.3133,
0.3076

■ 13.7275, 0.3029,
0.5677

■ 21.3216, 0.3138,
0.2891

■ 13.5614, 0.3016,
0.5861

■ 22.8090, 0.3142,
0.2730

■ 13.4549, 0.3010,
0.5992

■ 24.4484, 0.3145,
0.2592

■ 13.4547, 0.3010,
0.5992

■ 26.2439, 0.3148,
0.2472

■ 28.1995, 0.3149,
0.2369

Harmonies

Analogous

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



16.0043, 0.3600, 0.4218



16.0043, 0.3100, 0.4113



16.0043, 0.2630, 0.3717

Triad

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



16.0043, 0.3100, 0.4113



16.0043, 0.2305, 0.2525



16.0043, 0.4012, 0.3279

Complementary

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



16.0043, 0.3100, 0.4113



11.6245, 0.3145, 0.2579

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.



16.0043, 0.3608, 0.2902



16.0043, 0.3100, 0.4113



16.0043, 0.2616, 0.2482

Square

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



16.0043, 0.3100, 0.4113



16.0043, 0.2198, 0.2770



16.0043, 0.3087, 0.2619



16.0043, 0.4153, 0.3684

Rectangle

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



16.0043, 0.3100, 0.4113



16.0043, 0.2395, 0.3373



16.0043, 0.3087, 0.2619



16.0043, 0.3902, 0.3147

Sweetspot

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



16.0050, 0.3100, 0.4113



31.3100, 0.3120, 0.3514



17.7810, 0.3563, 0.3979



7.3699, 0.3119, 0.3545



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.



16.0050, 0.3100, 0.4113



27.3075, 0.3092, 0.4337



16.2556, 0.2909, 0.3720



4.4546, 0.3120, 0.3510



14.6762, 0.3009, 0.5993



69.9475, 0.3004, 0.5997

Inverse Universe

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



11.6245, 0.3145, 0.2579



18.2883, 0.3149, 0.2418



11.3206, 0.3424, 0.2898



4.0723, 0.3133, 0.3079



5.5875, 0.3145, 0.1506



26.5904, 0.3141, 0.1504

Previews

White Background



This preview shows how the Yxy color 16.0043, 0.3100, 0.4113 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 16.0043, 0.3100, 0.4113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

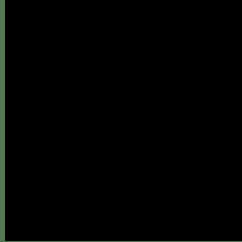
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0043, 0.3100, 0.4113

Background



This preview shows how black text looks on a background with the Yxy color 16.0043, 0.3100, 0.4113.



This preview shows how white text looks on a background with the Yxy color 16.0043, 0.3100, 0.4113.

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

16.0043, 0.3100, 0.4113

Protanopia

15.8700, 0.3641, 0.3920

Deuteranopia

15.9493, 0.3731, 0.3677



Tritanopia

15.9920, 0.2749, 0.3100

Trichromacy



Original Color

16.0043, 0.3100, 0.4113

Protanomaly

15.7545, 0.3440, 0.3995

Deuteranomaly

15.8376, 0.3485, 0.3830

Tritanomaly

15.9506, 0.2876, 0.3464

Monochromacy



Original Color

16.0043, 0.3100, 0.4113

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6116, 0.3127, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0043, 0.3100, 0.4113 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(85, 120, 84)` looks like.

```
.text, #text, p{  
  color:rgb(85, 120, 84)  
}
```

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(85, 120, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 84) }
```

Border

The CSS property to change the border of an element to Yxy 16.0043, 0.3100, 0.4113 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(85, 120, 84) }
```

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

```
.border{ border-color:rgb(85, 120, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 120, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 84);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0043, 0.3100, 0.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 84) }
```

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

```
.background{ background-color: rgb(85, 120,  
84) }
```

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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