

Converting Colors

$Y_{xy}(16.0544, 0.2943, 0.3815)$

Have a look what the booklet for
Yxy(16.0544, 0.2943, 0.3815)
contains.

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Color

Yxy(16.1350, 0.2938, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	537861
RGB	83, 120, 97
RGB Percent	33%, 47%, 38%
CMY	0.6745, 0.5294, 0.6195
CMYK	0.31, 0.00, 0.19, 0.53
HSL	143°, 18%, 40%
HSV	143°, 31%, 47%
XYZ	12.4422, 16.1350, 13.7719
YIQ	106.3150, -14.6690, -14.9970

Conversions

Conversions Part 2

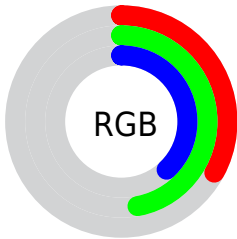
Format	Color
R_{YB}	83, 110, 120
Decimal	5470305
CIE _{Lab}	47.15, -18.33, 8.49
CIE _{LCh}	47, 20.196, 155.151
Yxy	16.1350, 0.2938, 0.3810
Android (android.graphics.Color)	4283660385 (0xFF537861)
YUV	106.3150, -4.5923, -20.4473
Hunter-Lab	40.1684, -15.0043, 7.7900

Details

The Yxy color **16.1350, 0.2938, 0.3810** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2204, 0.3381, 0.2823**, and the grayscale version is **14.5207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7115, 0.2988, 0.3665**, and **5.1206, 0.2833, 0.4054** is the 20% darker color. If you saturate the color by 10%, you get **15.5036, 0.2885, 0.4014**, and if you desaturate by 10%, it is **16.8753, 0.2997, 0.3623**.

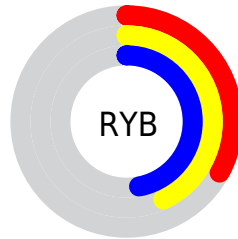
Distribution



 Red (33%)

 Green (47%)

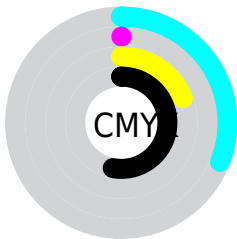
 Blue (38%)



 Red (33%)

 Yellow (43%)

 Blue (47%)

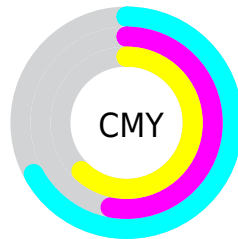


 Cyan (31%)

 Magenta (0%)

 Yellow (19%)

 Black (53%)



 Cyan (67%)


 Magenta (53%)


 Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1350, 0.2938, 0.3810 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 16.1350, 0.2938, 0.3810 by changing the saturation by 10% instead.


 16.1350, 0.2938,
0.3810


 16.1350, 0.2938,
0.3810


230.1370, 0.3053,
0.3496


 9.6197, 0.2898,
0.3916


 36.8324, 0.2987,
0.3678


 5.1476, 0.2838,
0.4076

 51.7833, 0.3003,
0.3635

 2.3341, 0.2735,
0.4344

 70.3150, 0.3016,
0.3600

 0.7917, 0.2234,
0.5798

 92.8116, 0.3026,
0.3571

 0.0000, 0.0000,
0.0000

 119.6578, 0.3035,
0.3548

151.2378, 0.3042,

0.3528

187.9361, 0.3048,
0.3511

■ 16.1350, 0.2938,
0.3810

■ 16.1350, 0.2938,
0.3810

■ 15.5036, 0.2885,
0.4014

■ 16.8753, 0.2997,
0.3623

■ 14.9739, 0.2839,
0.4232

■ 17.7273, 0.3059,
0.3454

■ 14.5408, 0.2805,
0.4459

■ 18.6964, 0.3122,
0.3302

■ 14.1982, 0.2785,
0.4691


■ 19.7867, 0.3185,
0.3167


■ 13.9389, 0.2781,
0.4920


■ 21.0024, 0.3246,
0.3048


 13.7549, 0.2794,
0.5136

 22.3474, 0.3306,
0.2943

 13.6261, 0.2812,
0.5322

 23.8253, 0.3362,
0.2851

 25.4398, 0.3416,
0.2771

 27.1942, 0.3467,
0.2701

Harmonies

Analogous

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



16.1350, 0.3337, 0.4002



16.1350, 0.2938, 0.3810



16.1350, 0.2604, 0.3449

Triad

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



16.1350, 0.2938, 0.3810



16.1350, 0.2565, 0.2645



16.1350, 0.3897, 0.3436

Complementary

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



16.1350, 0.2938, 0.3810



11.2204, 0.3381, 0.2823

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.



16.1350, 0.3664, 0.3113



16.1350, 0.2938, 0.3810



16.1350, 0.2881, 0.2673

Square

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



16.1350, 0.2938, 0.3810



16.1350, 0.2400, 0.2777



16.1350, 0.3284, 0.2841



16.1350, 0.3905, 0.3747

Rectangle

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



16.1350, 0.2938, 0.3810



16.1350, 0.2458, 0.3186



16.1350, 0.3284, 0.2841



16.1350, 0.3842, 0.3326

Sweetspot

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



16.1357, 0.2938, 0.3810



31.4393, 0.3069, 0.3428



17.1486, 0.3385, 0.4067



7.4042, 0.3061, 0.3447



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.



16.1357, 0.2938, 0.3810



27.5738, 0.2899, 0.3953



16.5116, 0.2753, 0.3396



4.4728, 0.3070, 0.3426



14.8625, 0.2814, 0.5329



70.7415, 0.2840, 0.5422

Inverse Universe

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



11.2204, 0.3381, 0.2823



17.4720, 0.3459, 0.2713



10.8836, 0.3690, 0.3188



4.0530, 0.3189, 0.3158



4.9008, 0.4404, 0.2200



23.2078, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 16.1350, 0.2938, 0.3810 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 16.1350, 0.2938, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

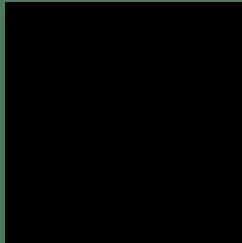
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

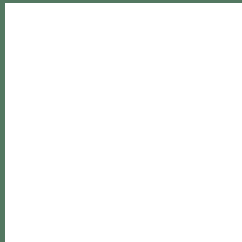
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.1350, 0.2938, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 16.1350, 0.2938, 0.3810.



This preview shows how white text looks on a background with the Yxy color 16.1350, 0.2938, 0.3810.

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

16.1350, 0.2938, 0.3810

Protanopia

16.0107, 0.3455, 0.3656

Deuteranopia

15.8711, 0.3491, 0.3428



Tritanopia

16.0953, 0.2709, 0.3099

Trichromacy



Original Color

16.1350, 0.2938, 0.3810

Protanomaly

15.8460, 0.3252, 0.3717

Deuteranomaly

15.8042, 0.3263, 0.3562

Tritanomaly

15.9866, 0.2790, 0.3332

Monochromacy



Original Color

16.1350, 0.2938, 0.3810

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9448, 0.3053, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1350, 0.2938, 0.3810 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(83, 120, 97) looks like.

```
.text, #text, p{  
  color:rgb(83, 120, 97)  
}
```

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(83, 120, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 120, 97) }
```

Border

The CSS property to change the border of an element to Yxy 16.1350, 0.2938, 0.3810 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(83, 120, 97) }
```

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

```
.border{ border-color:rgb(83, 120, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 120, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 120, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 120, 97);  
box-shadow:4px 4px 4px 4px rgb(83, 120,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1350, 0.2938, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 120, 97) }
```

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

```
.background{ background-color: rgb(83, 120,  
97) }
```

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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