

Converting Colors

$Yxy(16.4357, 0.2919, 0.3791)$

Have a look what the booklet for
Yxy(16.4357, 0.2919, 0.3791)
contains.

Yxy(16.4146, 0.2918, 0.3784)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.4146, 0.2918, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	537963
RGB	83, 121, 99
RGB Percent	33%, 47%, 39%
CMY	0.6744, 0.5255, 0.6117
CMYK	0.31, 0.00, 0.18, 0.53
HSL	145°, 19%, 40%
HSV	145°, 31%, 47%
XYZ	12.6580, 16.4146, 14.3064
YIQ	107.1300, -15.5860, -14.8980

Conversions

Conversions Part 2

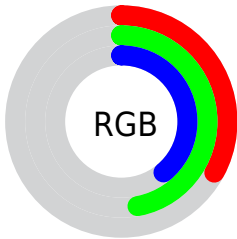
Format	Color
R_{YB}	83, 110, 121
Decimal	5470563
CIE _{Lab}	47.51, -18.43, 7.83
CIE _{LCh}	48, 20.025, 156.982
Yxy	16.4146, 0.2918, 0.3784
Android (android.graphics.Color)	4283660643 (0xFF537963)
YUV	107.1300, -4.0081, -21.1620
Hunter-Lab	40.5149, -15.1328, 7.4243

Details

The Yxy color **16.4146, 0.2918, 0.3784** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2742, 0.3414, 0.2844**, and the grayscale version is **14.7568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5424, 0.2973, 0.3662**, and **5.2577, 0.2821, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **15.7837, 0.2861, 0.3974**, and if you desaturate by 10%, it is **17.1546, 0.2982, 0.3609**.

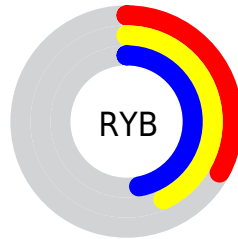
Distribution



Red (33%)

Green (47%)

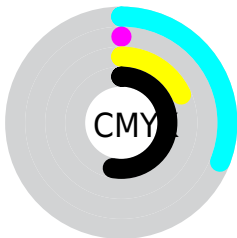
Blue (39%)



Red (33%)

Yellow (43%)

Blue (47%)

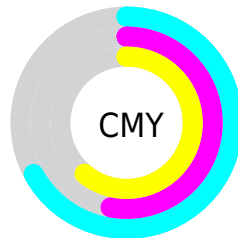


Cyan (31%)

Magenta (0%)

Yellow (18%)

Black (53%)



Cyan (67%)

Magenta (53%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4146, 0.2918, 0.3784 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 16.4146, 0.2918, 0.3784 by changing the saturation by 10% instead.

■ 16.4146, 0.2918,
0.3784

■ 16.4146, 0.2918,
0.3784

■ 231.7759, 0.3044,
0.3486

■ 9.8180, 0.2875,
0.3884

■ 37.3165, 0.2971,
0.3660

■ 5.2785, 0.2811,
0.4034

■ 52.3906, 0.2989,
0.3618

■ 2.4116, 0.2703,
0.4283

■ 71.0593, 0.3003,
0.3585

■ 0.8318, 0.2226,
0.5434

■ 93.7070, 0.3014,
0.3558

■ 0.0000, 0.0000,
0.0000

■ 120.7181, 0.3024,
0.3536

152.4771, 0.3032,

0.3517

189.3682, 0.3039,
0.3501

■ 16.4146, 0.2918,
0.3784

■ 16.4146, 0.2918,
0.3784

■ 15.7837, 0.2861,
0.3974

■ 17.1546, 0.2982,
0.3609

■ 15.2545, 0.2812,
0.4177

■ 18.0065, 0.3049,
0.3451

■ 14.8220, 0.2775,
0.4390

■ 18.9756, 0.3118,
0.3309

■ 14.4799, 0.2753,
0.4607

■ 20.0664, 0.3186,
0.3182

■ 14.2209, 0.2748,
0.4822

■ 21.2828, 0.3254,
0.3070

■ 14.0368, 0.2761,
0.5029

■ 22.6288, 0.3320,
0.2971

■ 13.9130, 0.2777,
0.5198

■ 24.1081, 0.3383,
0.2884

■ 25.7244, 0.3443,
0.2808

■ 27.4812, 0.3500,
0.2742

Harmonies

Analogous

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



16.4146, 0.3311, 0.3987



16.4146, 0.2918, 0.3784



16.4146, 0.2595, 0.3423

Triad

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



16.4146, 0.2918, 0.3784



16.4146, 0.2588, 0.2651



16.4146, 0.3893, 0.3455

Complementary

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



16.4146, 0.2918, 0.3784



11.2742, 0.3414, 0.2844

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.



16.4146, 0.3676, 0.3134



16.4146, 0.2918, 0.3784



16.4146, 0.2907, 0.2688

Square

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



16.4146, 0.2918, 0.3784



16.4146, 0.2415, 0.2772



16.4146, 0.3306, 0.2861



16.4146, 0.3888, 0.3758

Rectangle

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



16.4146, 0.2918, 0.3784



16.4146, 0.2458, 0.3165



16.4146, 0.3306, 0.2861



16.4146, 0.3844, 0.3346

Sweetspot

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



16.4153, 0.2918, 0.3784



32.6030, 0.3064, 0.3419



17.3131, 0.3365, 0.4089



7.4091, 0.3055, 0.3436



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.



16.4153, 0.2918, 0.3784



28.5236, 0.2874, 0.3926



16.8184, 0.2728, 0.3357



4.4754, 0.3065, 0.3417



14.9079, 0.2779, 0.5204



70.9498, 0.2805, 0.5297

Inverse Universe

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



11.2742, 0.3414, 0.2844



17.7070, 0.3507, 0.2734



10.9289, 0.3739, 0.3226



4.0503, 0.3195, 0.3167



4.8288, 0.4570, 0.2291



22.8609, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 16.4146, 0.2918, 0.3784 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 16.4146, 0.2918, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

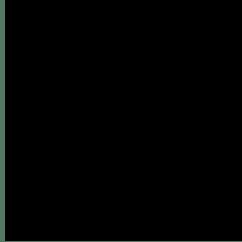
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4146, 0.2918, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 16.4146, 0.2918, 0.3784.



This preview shows how white text looks on a background with the Yxy color 16.4146, 0.2918, 0.3784.

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

16.4146, 0.2918, 0.3784

Protanopia

16.2661, 0.3426, 0.3634

Deuteranopia

16.1965, 0.3474, 0.3407



Tritanopia

16.3787, 0.2691, 0.3080

Trichromacy



Original Color

16.4146, 0.2918, 0.3784

Protanomaly

16.1093, 0.3226, 0.3694

Deuteranomaly

16.1293, 0.3249, 0.3538

Tritanomaly

16.2675, 0.2772, 0.3311

Monochromacy



Original Color

16.4146, 0.2918, 0.3784

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.1845, 0.3041, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4146, 0.2918, 0.3784 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, 121, 99)` looks like.

```
.text, #text, p{  
    color:rgb(83, 121, 99)  
}
```

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, 121, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 121, 99) }
```

Border

The CSS property to change the border of an element to Yxy 16.4146, 0.2918, 0.3784 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, 121, 99) }
```

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

```
.border{ border-color:rgb(83, 121, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 121, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 121, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 121, 99);  
box-shadow:4px 4px 4px 4px rgb(83, 121,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4146, 0.2918, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 121, 99) }
```

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

```
.background{ background-color: rgb(83, 121,  
99) }
```

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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