

Converting Colors

$Y_{xy}(13.4347, 0.2847, 0.3918)$

Have a look what the booklet for
Yxy(13.4347, 0.2847, 0.3918)
contains.

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Color

Yxy(13.4347, 0.2847, 0.3918)

Conversions

Conversions Part 1

Format	Color
Hex	427057
RGB	66, 112, 87
RGB Percent	26%, 44%, 34%
CMY	0.7411, 0.5608, 0.6589
CMYK	0.41, 0.00, 0.22, 0.56
HSL	147°, 26%, 35%
HSV	147°, 41%, 44%
XYZ	9.7623, 13.4347, 11.0927
YIQ	95.3960, -19.3910, -17.5270

Conversions

Conversions Part 2

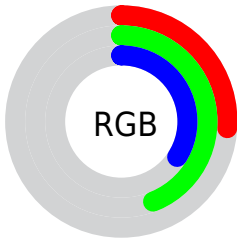
Format	Color
R_{YB}	66, 98, 112
Decimal	4354135
CIE _{Lab}	43.41, -21.92, 9.02
CIE _{LCh}	43, 23.709, 157.629
Yxy	13.4347, 0.2847, 0.3918
Android (android.graphics.Color)	4282544215 (0xFF427057)
YUV	95.3960, -4.1392, -25.7803
Hunter-Lab	36.6534, -16.6017, 7.7139

Details

The Yxy color **13.4347, 0.2847, 0.3918** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.1007, 0.3562, 0.2742**, and the grayscale version is **11.5590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0701, 0.2920, 0.3746**, and **3.9531, 0.2681, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **12.9880, 0.2795, 0.4106**, and if you desaturate by 10%, it is **13.9672, 0.2908, 0.3743**.

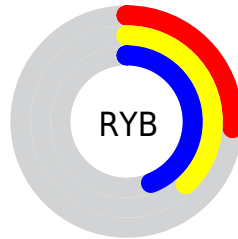
Distribution



Red (26%)

Green (44%)

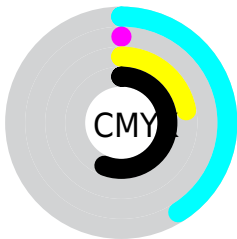
Blue (34%)



Red (26%)

Yellow (38%)

Blue (44%)

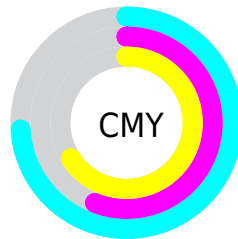


Cyan (41%)

Magenta (0%)

Yellow (22%)

Black (56%)



Cyan (74%)


Magenta (56%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4347, 0.2847, 0.3918 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 13.4347, 0.2847, 0.3918 by changing the saturation by 10% instead.


 13.4347, 0.2847,
0.3918


 13.4347, 0.2847,
0.3918


213.6851, 0.3022,
0.3527


 7.7286, 0.2784,
0.4058


 32.0826, 0.2922,
0.3750

 3.9218, 0.2686,
0.4277

 45.7931, 0.2947,
0.3696

 1.6299, 0.2510,
0.4667

 62.9405, 0.2966,
0.3653

 0.3776, 0.0000,
1.0000

 83.9092, 0.2981,
0.3618

 0.0000, 0.0000,
0.0000

 109.0837, 0.2994,
0.3589

138.8482, 0.3005,

0.3565

173.5872, 0.3014,
0.3545

■ 13.4347, 0.2847,
0.3918

■ 13.4347, 0.2847,
0.3918

■ 12.9880, 0.2795,
0.4106

■ 13.9672, 0.2908,
0.3743

■ 12.6206, 0.2755,
0.4303

■ 14.5880, 0.2975,
0.3581

■ 12.3281, 0.2729,
0.4505


■ 15.3017, 0.3047,
0.3435

■ 12.1046, 0.2720,
0.4708

■ 16.1122, 0.3120,
0.3303

■ 11.9434, 0.2729,
0.4904

■ 17.0229, 0.3193,
0.3185

 11.8276, 0.2743,
0.5075

 18.0371, 0.3265,
0.3081

 19.1582, 0.3335,
0.2989

 20.3891, 0.3402,
0.2908

 21.7328, 0.3467,
0.2837

Harmonies

Analogous

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



13.4347, 0.3338, 0.4182



13.4347, 0.2847, 0.3918



13.4347, 0.2452, 0.3443

Triad

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



13.4347, 0.2847, 0.3918



13.4347, 0.2459, 0.2494



13.4347, 0.4103, 0.3491

Complementary

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



13.4347, 0.2847, 0.3918



8.1007, 0.3562, 0.2742

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.



13.4347, 0.3831, 0.3098



13.4347, 0.2847, 0.3918



13.4347, 0.2856, 0.2548

Square

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



13.4347, 0.2847, 0.3918



13.4347, 0.2245, 0.2630



13.4347, 0.3361, 0.2763



13.4347, 0.4082, 0.3871

Rectangle

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



13.4347, 0.2847, 0.3918



13.4347, 0.2288, 0.3112



13.4347, 0.3361, 0.2763



13.4347, 0.4042, 0.3357

Sweetspot

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



13.4353, 0.2847, 0.3918



26.7136, 0.3037, 0.3453



14.2218, 0.3406, 0.4354



6.3886, 0.3031, 0.3466



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.4353, 0.2847, 0.3918



22.8720, 0.2798, 0.4091



13.8666, 0.2614, 0.3343



3.7862, 0.3061, 0.3407



13.6693, 0.2747, 0.5088



67.9229, 0.2774, 0.5185

Inverse Universe

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



8.1007, 0.3562, 0.2742



12.1558, 0.3704, 0.2622



7.7660, 0.4042, 0.3241



3.4290, 0.3199, 0.3176



4.3664, 0.4702, 0.2364



21.5753, 0.4808, 0.2422

Previews

White Background



This preview shows how the Yxy color 13.4347, 0.2847, 0.3918 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 13.4347, 0.2847, 0.3918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

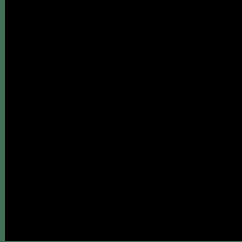
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

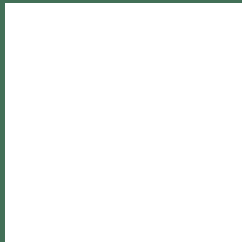
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.4347, 0.2847, 0.3918

Background



This preview shows how black text looks on a background with the Yxy color 13.4347, 0.2847, 0.3918.



This preview shows how white text looks on a background with the Yxy color 13.4347, 0.2847, 0.3918.

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

13.4347, 0.2847, 0.3918

Protanopia

13.3001, 0.3495, 0.3731

Deuteranopia

13.1866, 0.3520, 0.3460



Tritanopia

13.4259, 0.2598, 0.3081

Trichromacy



Original Color

13.4347, 0.2847, 0.3918

Protanomaly

13.2753, 0.3229, 0.3804

Deuteranomaly

13.0184, 0.3242, 0.3611

Tritanomaly

13.2800, 0.2681, 0.3361

Monochromacy



Original Color

13.4347, 0.2847, 0.3918

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9649, 0.3003, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4347, 0.2847, 0.3918 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(66, 112, 87)` looks like.

```
.text, #text, p{  
    color:rgb(66, 112, 87)  
}
```

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(66, 112, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 112, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.4347, 0.2847, 0.3918 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(66, 112, 87) }
```

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

```
.border{ border-color:rgb(66, 112, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 112, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 112, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 112, 87);  
box-shadow:4px 4px 4px 4px rgb(66, 112,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4347, 0.2847, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 112, 87) }
```

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

```
.background{ background-color: rgb(66, 112,  
87) }
```

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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