

Converting Colors

$Y_{xy}(16.7945, 0.2869, 0.3426)$

Have a look what the booklet for
Yxy(16.7945, 0.2869, 0.3426)
contains.

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Color

$\text{Yxy}(16.9005, 0.2871, 0.3438)$

Conversions

Conversions Part 1	
Format	Color
Hex	5C7871
RGB	92, 120, 113
RGB Percent	36%, 47%, 44%
CMY	0.6391, 0.5294, 0.5568
CMYK	0.23, 0.00, 0.06, 0.53
HSL	165°, 13%, 42%
HSV	165°, 23%, 47%
XYZ	14.1132, 16.9005, 18.1442
YIQ	110.8300, -14.4410, -8.1130

Conversions

Conversions Part 2

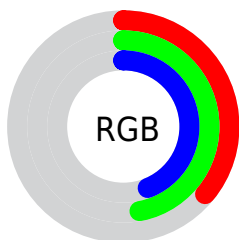
Format	Color
RYB	92, 108, 120
Decimal	6060145
CIELab	48.13, -11.67, 0.52
CIELCh	48, 11.685, 177.457
Yxy	16.9005, 0.2871, 0.3438
Android (android.graphics.Color)	4284250225 (0xFF5C7871)
YUV	110.8300, 1.0698, -16.5139
Hunter-Lab	41.1102, -10.6634, 2.6092

Details

The Yxy color **16.9005, 0.2871, 0.3438** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5531, 0.3467, 0.3148**, and the grayscale version is **15.8465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0613, 0.2931, 0.3394**, and **5.4460, 0.2756, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **16.2648, 0.2772, 0.3511**, and if you desaturate by 10%, it is **17.6378, 0.2978, 0.3371**.

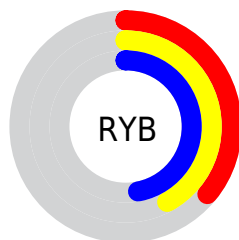
Distribution



Red (36%)

Green (47%)

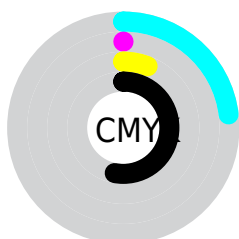
Blue (44%)



Red (36%)

Yellow (42%)

Blue (47%)

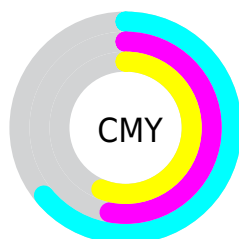


Cyan (23%)

Magenta (0%)

Yellow (6%)

Black (53%)



Cyan (64%)


Magenta (53%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9005, 0.2871, 0.3438 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 16.9005, 0.2871, 0.3438 by changing the saturation by 10% instead.

 16.9005, 0.2871,
0.3438


 16.9005, 0.2871,
0.3438


234.5983, 0.3021,
0.3352


 10.1636, 0.2824,
0.3465


 38.1546, 0.2932,
0.3403


 5.5075, 0.2755,
0.3505


 53.4406, 0.2953,
0.3391

 2.5480, 0.2647,
0.3569

 72.3451, 0.2969,
0.3381

 0.9006, 0.2363,
0.3728

 95.2524, 0.2983,
0.3373

 0.0000, 0.0000,
0.0000

122.5470, 0.2995,
0.3366

154.6133, 0.3005,

0.3361

191.8356, 0.3013,
0.3356

■ 16.9005, 0.2871,
0.3438

■ 16.9005, 0.2871,
0.3438

■ 16.2648, 0.2772,
0.3511

■ 17.6378, 0.2978,
0.3371

■ 15.7238, 0.2684,
0.3589

■ 18.4788, 0.3089,
0.3309

■ 15.2734, 0.2608,
0.3671


■ 19.4284, 0.3204,
0.3253

■ 14.9081, 0.2547,
0.3757


■ 20.4903, 0.3320,
0.3203


■ 14.6218, 0.2503,
0.3845


■ 21.6682, 0.3436,
0.3159

 14.4078, 0.2478,
0.3935

 22.9656, 0.3549,
0.3120

 14.2571, 0.2470,
0.4024

 24.3859, 0.3660,
0.3085

 14.1706, 0.2468,
0.4084

 25.9322, 0.3767,
0.3055

 27.6075, 0.3870,
0.3029

Harmonies

Analogous

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



16.9005, 0.3082, 0.3615



16.9005, 0.2871, 0.3438



16.9005, 0.2731, 0.3222

Triad

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



16.9005, 0.2871, 0.3438



16.9005, 0.2935, 0.2914



16.9005, 0.3580, 0.3521

Complementary

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



16.9005, 0.2871, 0.3438



12.5531, 0.3467, 0.3148

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.



16.9005, 0.3540, 0.3335



16.9005, 0.2871, 0.3438



16.9005, 0.3160, 0.2993

Square

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



16.9005, 0.2871, 0.3438



16.9005, 0.2766, 0.2927



16.9005, 0.3383, 0.3144



16.9005, 0.3495, 0.3656

Rectangle

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



16.9005, 0.2871, 0.3438



16.9005, 0.2694, 0.3091



16.9005, 0.3383, 0.3144



16.9005, 0.3581, 0.3462

Sweetspot

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



16.9012, 0.2871, 0.3438



31.9095, 0.3046, 0.3332



16.8589, 0.3185, 0.3892



7.5475, 0.3041, 0.3335



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.



16.9012, 0.2871, 0.3438



29.1049, 0.2817, 0.3477



15.4439, 0.2788, 0.3140



4.4961, 0.3024, 0.3344



15.4582, 0.2469, 0.4088



73.5956, 0.2482, 0.4134

Inverse Universe

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



12.5531, 0.3467, 0.3148



20.0374, 0.3570, 0.3113



13.6935, 0.3547, 0.3435



4.0300, 0.3241, 0.3237



4.4562, 0.5851, 0.2997



21.1389, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 16.9005, 0.2871, 0.3438 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 16.9005, 0.2871, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

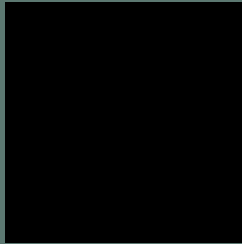
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

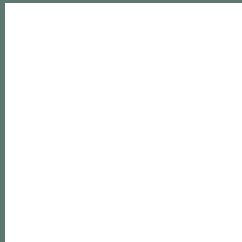
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9005, 0.2871, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 16.9005, 0.2871, 0.3438.

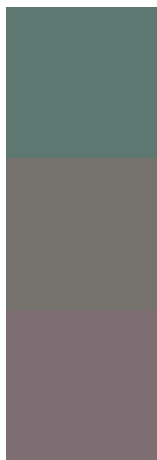


This preview shows how white text looks on a background with the Yxy color 16.9005, 0.2871, 0.3438.

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

16.9005, 0.2871, 0.3438

Protanopia

16.6963, 0.3230, 0.3370

Deuteranopia

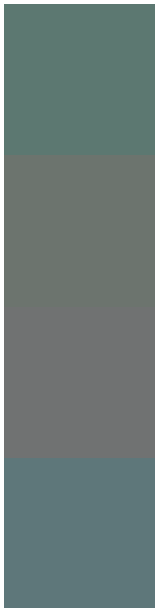
16.6748, 0.3253, 0.3194



Tritanopia

16.9221, 0.2757, 0.3105

Trichromacy



Original Color
16.9005, 0.2871, 0.3438

Protanomaly
16.8047, 0.3096, 0.3413

Deuteranomaly
16.6943, 0.3101, 0.3290

Tritanomaly
16.9785, 0.2799, 0.3227

Monochromacy



Original Color
16.9005, 0.2871, 0.3438

Achromatopsia
15.8961, 0.3127, 0.3290

Achromatomaly
16.1475, 0.3023, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9005, 0.2871, 0.3438 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(92, 120, 113) looks like.

```
.text, #text, p{  
    color:rgb(92, 120, 113)  
}
```


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(92, 120, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 120, 113) }
```

Border

The CSS property to change the border of an element to Yxy 16.9005, 0.2871, 0.3438 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(92, 120, 113) }
```


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

```
.border{ border-color:rgb(92, 120, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 120, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 120, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 120, 113);  
box-shadow:4px 4px 4px 4px rgb(92, 120,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9005, 0.2871, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 120, 113) }
```

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

```
.background{ background-color: rgb(92, 120,  
113) }
```

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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