

Converting Colors

$Yxy(16.8816, 0.2836, 0.3591)$

Have a look what the booklet for
Yxy(16.8816, 0.2836, 0.3591)
contains.

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Color

Yxy(16.8866, 0.2837, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	547A6C
RGB	84, 122, 108
RGB Percent	33%, 48%, 42%
CMY	0.6706, 0.5216, 0.5764
CMYK	0.31, 0.00, 0.11, 0.52
HSL	158°, 18%, 40%
HSV	158°, 31%, 48%
XYZ	13.3224, 16.8866, 16.7504
YIQ	109.0420, -18.1540, -12.4100

Conversions

Conversions Part 2

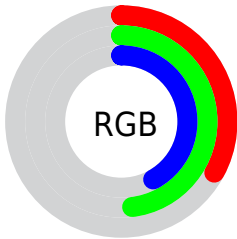
Format	Color
RYB	84, 107, 122
Decimal	5536364
CIELab	48.12, -16.64, 3.38
CIElCh	48, 16.978, 168.512
Yxy	16.8866, 0.2837, 0.3596
Android (android.graphics.Color)	4283726444 (0xFF547A6C)
YUV	109.0420, -0.5137, -21.9618
Hunter-Lab	41.0933, -14.0439, 4.5976

Details

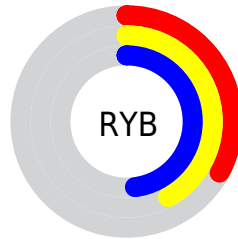
The Yxy color **16.8866, 0.2837, 0.3596** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.3577, 0.3546, 0.3005**, and the grayscale version is **15.3107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3140, 0.2913, 0.3534**, and **5.4953, 0.2704, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **16.2795, 0.2758, 0.3713**, and if you desaturate by 10%, it is **17.5981, 0.2925, 0.3488**.

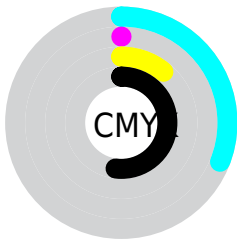
Distribution



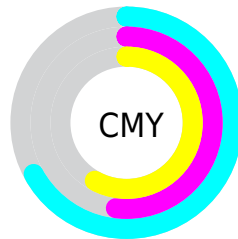
- Red (33%)
- Green (48%)
- Blue (42%)



- Red (33%)
- Yellow (42%)
- Blue (48%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (52%)



- Cyan (67%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8866, 0.2837, 0.3596 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 16.8866, 0.2837, 0.3596 by changing the saturation by 10% instead.

■ 16.8866, 0.2837,
0.3596

■ 16.8866, 0.2837,
0.3596

■ 234.5180, 0.3008,
0.3415

■ 10.1537, 0.2782,
0.3655

■ 38.1307, 0.2907,
0.3521

■ 5.5010, 0.2703,
0.3742

■ 53.4107, 0.2931,
0.3496

■ 2.5441, 0.2575,
0.3884

■ 72.3084, 0.2950,
0.3476

■ 0.8986, 0.2145,
0.4303

■ 95.2084, 0.2965,
0.3459

■ 0.0000, 0.0000,
0.0000

■ 122.4949, 0.2978,
0.3445

154.5525, 0.2990,

0.3433

191.7654, 0.2999,
0.3423

■ 16.8866, 0.2837,
0.3596

■ 16.8866, 0.2837,
0.3596

■ 16.2795, 0.2758,
0.3713

■ 17.5981, 0.2925,
0.3488

■ 15.7695, 0.2689,
0.3837

■ 18.4167, 0.3019,
0.3389

■ 15.3517, 0.2635,
0.3967

■ 19.3475, 0.3116,
0.3300

■ 15.0199, 0.2597,
0.4102

■ 20.3948, 0.3214,
0.3219

■ 14.7671, 0.2577,
0.4239

■ 21.5626, 0.3313,
0.3148

■ 14.5852, 0.2575,
0.4375

■ 22.8547, 0.3410,
0.3084

■ 14.4576, 0.2582,
0.4495

■ 24.2747, 0.3505,
0.3028

■ 25.8262, 0.3596,
0.2979

■ 27.5124, 0.3685,
0.2936

Harmonies

Analogous

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



16.8866, 0.3156, 0.3825



16.8866, 0.2837, 0.3596



16.8866, 0.2603, 0.3279

Triad

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



16.8866, 0.2837, 0.3596



16.8866, 0.2764, 0.2744



16.8866, 0.3791, 0.3539

Complementary

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



16.8866, 0.2837, 0.3596



11.3577, 0.3546, 0.3005

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.



16.8866, 0.3677, 0.3264



16.8866, 0.2837, 0.3596



16.8866, 0.3070, 0.2822

Square

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



16.8866, 0.2837, 0.3596



16.8866, 0.2563, 0.2798



16.8866, 0.3407, 0.3008



16.8866, 0.3715, 0.3769

Rectangle

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



16.8866, 0.2837, 0.3596



16.8866, 0.2521, 0.3075



16.8866, 0.3407, 0.3008



16.8866, 0.3774, 0.3449

Sweetspot

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



16.8873, 0.2837, 0.3596



32.7010, 0.3037, 0.3371



17.1877, 0.3265, 0.4109



7.4342, 0.3026, 0.3382



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.



16.8873, 0.2837, 0.3596



28.9689, 0.2782, 0.3674



16.1448, 0.2689, 0.3194



4.4886, 0.3039, 0.3370



15.2190, 0.2583, 0.4499



72.4280, 0.2602, 0.4568

Inverse Universe

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



11.3577, 0.3546, 0.3005



17.7010, 0.3672, 0.2941



11.8266, 0.3763, 0.3384



4.0372, 0.3225, 0.3212



4.5531, 0.5425, 0.2762



21.5671, 0.5556, 0.2834

Previews

White Background



This preview shows how the Yxy color 16.8866, 0.2837, 0.3596 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 16.8866, 0.2837, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

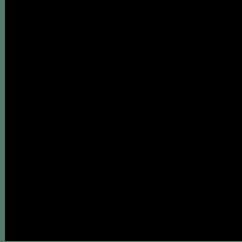
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8866, 0.2837, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 16.8866, 0.2837, 0.3596.

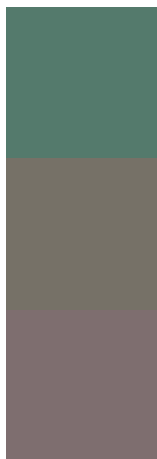


This preview shows how white text looks on a background with the Yxy color 16.8866, 0.2837, 0.3596.

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

16.8866, 0.2837, 0.3596

Protanopia

16.6411, 0.3319, 0.3490

Deuteranopia

16.7352, 0.3333, 0.3271



Tritanopia

16.8533, 0.2667, 0.3082

Trichromacy



Original Color

16.8866, 0.2837, 0.3596

Protanomaly

16.5749, 0.3129, 0.3519

Deuteranomaly

16.5399, 0.3136, 0.3371

Tritanomaly

16.8397, 0.2736, 0.3268

Monochromacy



Original Color

16.8866, 0.2837, 0.3596

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8481, 0.3007, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8866, 0.2837, 0.3596 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(84, 122, 108)` looks like.

```
.text, #text, p{  
    color:rgb(84, 122, 108)  
}
```

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(84, 122, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 122, 108) }
```

Border

The CSS property to change the border of an element to Yxy 16.8866, 0.2837, 0.3596 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(84, 122, 108) }
```

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

```
.border{ border-color:rgb(84, 122, 108) }
```

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

Here you see how a box with a 4 pixel rgb(84, 122, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 122, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 122, 108);  
box-shadow:4px 4px 4px 4px rgb(84, 122,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8866, 0.2837, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 122, 108) }
```

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

```
.background{ background-color: rgb(84, 122,  
108) }
```

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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