

Converting Colors

$Yxy(16.9236, 0.2707, 0.3856)$

Have a look what the booklet for
Yxy(16.9236, 0.2707, 0.3856)
contains.

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Color

Yxy(16.9378, 0.2703, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	3F7E66
RGB	63, 126, 102
RGB Percent	25%, 49%, 40%
CMY	0.7529, 0.5059, 0.6000
CMYK	0.50, 0.00, 0.19, 0.51
HSL	157°, 33%, 37%
HSV	157°, 50%, 49%
XYZ	11.9102, 16.9378, 15.2149
YIQ	104.4270, -29.8440, -20.8200

Conversions

Conversions Part 2

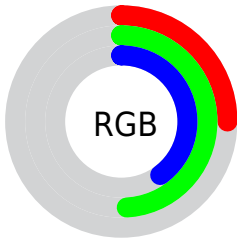
Format	Color
RYB	63, 102, 126
Decimal	4161126
CIELab	48.18, -26.44, 6.87
CIELCh	48, 27.318, 165.428
Yxy	16.9378, 0.2703, 0.3844
Android (android.graphics.Color)	4282351206 (0xFF3F7E66)
YUV	104.4270, -1.1965, -36.3315
Hunter-Lab	41.1556, -20.3652, 6.8898

Details

The Yxy color **16.9378, 0.2703, 0.3844** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.6807, 0.3925, 0.2815**, and the grayscale version is **13.9748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1849, 0.2807, 0.3703**, and **5.4705, 0.2501, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **16.4774, 0.2648, 0.3979**, and if you desaturate by 10%, it is **17.5000, 0.2772, 0.3715**.

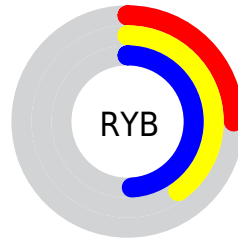
Distribution



Red (25%)

Green (49%)

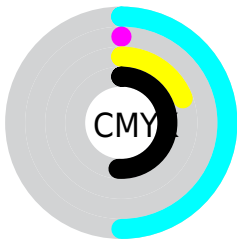
Blue (40%)



Red (25%)

Yellow (40%)

Blue (49%)

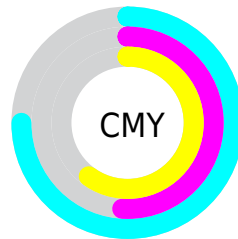


Cyan (50%)

Magenta (0%)

Yellow (19%)

Black (51%)



Cyan (75%)

Magenta (51%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9378, 0.2703, 0.3844 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 16.9378, 0.2703, 0.3844 by changing the saturation by 10% instead.


 16.9378, 0.2703,
0.3844


 16.9378, 0.2703,
0.3844


234.8137, 0.2955,
0.3511


 10.1902, 0.2621,
0.3955


 38.2188, 0.2807,
0.3705


 5.5252, 0.2501,
0.4120

 53.5209, 0.2842,
0.3659

 2.5586, 0.2307,
0.4394

 72.4434, 0.2870,
0.3622

 0.9059, 0.1324,
0.5568

 95.3705, 0.2893,
0.3592

 0.0000, 0.0000,
0.0000

 122.6867, 0.2912,
0.3567

154.7764, 0.2928,

0.3545

192.0239, 0.2942,
0.3527

■ 16.9378, 0.2703,
0.3844

■ 16.9378, 0.2703,
0.3844

■ 16.4774, 0.2648,
0.3979

■ 17.5000, 0.2772,
0.3715

■ 16.1102, 0.2609,
0.4120

■ 18.1681, 0.2851,
0.3595

■ 15.8293, 0.2588,
0.4262

■ 18.9482, 0.2938,
0.3483


■ 15.6260, 0.2586,
0.4404

■ 19.8456, 0.3031,
0.3382

■ 15.4720, 0.2596,
0.4545


■ 20.8650, 0.3127,
0.3290

 15.4718, 0.2596,
0.4545

 22.0110, 0.3224,
0.3207

 23.2880, 0.3321,
0.3134

 24.7000, 0.3416,
0.3069

 26.2509, 0.3509,
0.3012

Harmonies

Analogous

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



16.9378, 0.3210, 0.4204



16.9378, 0.2703, 0.3844



16.9378, 0.2330, 0.3309

Triad

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



16.9378, 0.2703, 0.3844



16.9378, 0.2510, 0.2443



16.9378, 0.4193, 0.3608

Complementary

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



16.9378, 0.2703, 0.3844



8.6807, 0.3925, 0.2815

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.



16.9378, 0.3981, 0.3188



16.9378, 0.2703, 0.3844



16.9378, 0.2970, 0.2548

Square

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



16.9378, 0.2703, 0.3844



16.9378, 0.2230, 0.2530



16.9378, 0.3516, 0.2813



16.9378, 0.4087, 0.3995

Rectangle

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



16.9378, 0.2703, 0.3844



16.9378, 0.2196, 0.2971



16.9378, 0.3516, 0.2813



16.9378, 0.4157, 0.3467

Sweetspot

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



16.9385, 0.2703, 0.3844



34.0593, 0.2981, 0.3435



17.3146, 0.3324, 0.4677



7.6865, 0.2965, 0.3453



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.9385, 0.2703, 0.3844



28.9028, 0.2642, 0.3999



15.6745, 0.2467, 0.3125



4.8600, 0.3040, 0.3373



15.8719, 0.2596, 0.4547



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.6807, 0.3925, 0.2815



12.5912, 0.4217, 0.2726



9.2208, 0.4371, 0.3440



4.3693, 0.3224, 0.3208



4.7686, 0.5379, 0.2737



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9378, 0.2703, 0.3844 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 16.9378, 0.2703, 0.3844 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 16.9378, 0.2703, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 16.9378, 0.2703, 0.3844.



This preview shows how white text looks on a background with the Yxy color 16.9378, 0.2703, 0.3844.

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

16.9378, 0.2703, 0.3844

Protanopia

16.8722, 0.3434, 0.3649

Deuteranopia

16.7610, 0.3441, 0.3387



Tritanopia

16.9627, 0.2502, 0.3077

Trichromacy



Original Color

16.9378, 0.2703, 0.3844

Protanomaly

16.4914, 0.3120, 0.3720

Deuteranomaly

16.4333, 0.3115, 0.3542

Tritanomaly

16.8116, 0.2575, 0.3332

Monochromacy



Original Color

16.9378, 0.2703, 0.3844

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.6915, 0.2938, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9378, 0.2703, 0.3844 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(63, 126, 102)` looks like.

```
.text, #text, p{  
    color:rgb(63, 126, 102)  
}
```

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(63, 126, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 126, 102) }
```

Border

The CSS property to change the border of an element to Yxy 16.9378, 0.2703, 0.3844 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(63, 126, 102) }
```

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

```
.border{ border-color:rgb(63, 126, 102) }
```

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

Here you see how a box with a 4 pixel rgb(63, 126, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 126, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 126, 102);  
box-shadow:4px 4px 4px 4px rgb(63, 126,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9378, 0.2703, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 126, 102) }
```

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

```
.background{ background-color: rgb(63, 126,  
102) }
```

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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