

Converting Colors

$Yxy(16.6656, 0.2762, 0.3630)$

Have a look what the booklet for
Yxy(16.6656, 0.2762, 0.3630)
contains.

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Color

Yxy(16.7640, 0.2767, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	4C7B6B
RGB	76, 123, 107
RGB Percent	30%, 48%, 42%
CMY	0.7021, 0.5176, 0.5804
CMYK	0.38, 0.00, 0.13, 0.52
HSL	160°, 24%, 39%
HSV	160°, 38%, 48%
XYZ	12.7155, 16.7640, 16.4745
YIQ	107.1230, -22.8760, -14.9400

Conversions

Conversions Part 2

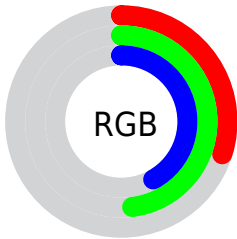
Format	Color
R_{YB}	76, 104, 123
Decimal	5012331
CIE _{Lab}	47.96, -19.97, 3.71
CIE _{LCh}	48, 20.314, 169.491
Yxy	16.7640, 0.2767, 0.3648
Android (android.graphics.Color)	4283202411 (0xFF4C7B6B)
YUV	107.1230, -0.0606, -27.2949
Hunter-Lab	40.9439, -16.2171, 4.8043

Details

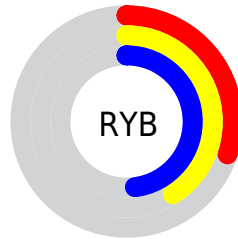
The Yxy color **16.7640, 0.2767, 0.3648** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1490, 0.3704, 0.2964**, and the grayscale version is **14.7424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0313, 0.2857, 0.3569**, and **5.4568, 0.2598, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **16.2223, 0.2693, 0.3760**, and if you desaturate by 10%, it is **17.4077, 0.2852, 0.3543**.

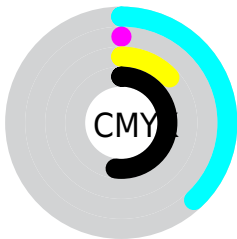
Distribution



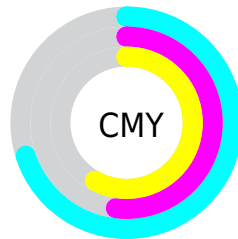
- Red (30%)
- Green (48%)
- Blue (42%)



- Red (30%)
- Yellow (41%)
- Blue (48%)



- Cyan (38%)
- Magenta (0%)
- Yellow (13%)
- Black (52%)




- Cyan (70%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7640, 0.2767, 0.3648 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 16.7640, 0.2767, 0.3648 by changing the saturation by 10% instead.


 16.7640, 0.2767,
0.3648


 16.7640, 0.2767,
0.3648


233.8087, 0.2979,
0.3435


 10.0664, 0.2699,
0.3718


 37.9196, 0.2854,
0.3560


 5.4430, 0.2600,
0.3821

 53.1463, 0.2883,
0.3530


 2.5094, 0.2441,
0.3989

 71.9848, 0.2907,
0.3507

 0.8814, 0.1812,
0.4562

 94.8196, 0.2926,
0.3487

 0.0000, 0.0000,
0.0000

 122.0350, 0.2943,
0.3471

154.0153, 0.2957,

0.3457

191.1451, 0.2969,
0.3445

■ 16.7640, 0.2767,
0.3648

■ 16.7640, 0.2767,
0.3648

■ 16.2223, 0.2693,
0.3760

■ 17.4077, 0.2852,
0.3543

■ 15.7750, 0.2632,
0.3879

■ 18.1564, 0.2945,
0.3446

■ 15.4165, 0.2586,
0.4002

■ 19.0156, 0.3044,
0.3357

■ 15.1401, 0.2559,
0.4127

■ 19.9898, 0.3145,
0.3276

■ 14.9379, 0.2550,
0.4253

■ 21.0833, 0.3248,
0.3204

■ 14.7891, 0.2555,
0.4379

■ 22.3000, 0.3350,
0.3140

■ 14.7640, 0.2556,
0.4401

■ 23.6437, 0.3451,
0.3083

■ 25.1181, 0.3549,
0.3033

■ 26.7268, 0.3644,
0.2989

Harmonies

Analogous

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



16.7640, 0.3145, 0.3933



16.7640, 0.2767, 0.3648



16.7640, 0.2496, 0.3259

Triad

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



16.7640, 0.2767, 0.3648



16.7640, 0.2703, 0.2644



16.7640, 0.3925, 0.3589

Complementary

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



16.7640, 0.2767, 0.3648



10.1490, 0.3704, 0.2964

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.



16.7640, 0.3796, 0.3265



16.7640, 0.2767, 0.3648



16.7640, 0.3069, 0.2741

Square

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



16.7640, 0.2767, 0.3648



16.7640, 0.2462, 0.2698



16.7640, 0.3474, 0.2963



16.7640, 0.3824, 0.3865

Rectangle

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



16.7640, 0.2767, 0.3648



16.7640, 0.2405, 0.3016



16.7640, 0.3474, 0.2963



16.7640, 0.3908, 0.3483

Sweetspot

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



16.7647, 0.2767, 0.3648



33.5596, 0.3013, 0.3383



16.9870, 0.3271, 0.4326



7.8636, 0.3003, 0.3392



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.



16.7647, 0.2767, 0.3648



29.1451, 0.2700, 0.3748



15.4454, 0.2596, 0.3134



4.4903, 0.3035, 0.3364



15.2702, 0.2556, 0.4403



72.6760, 0.2574, 0.4467

Inverse Universe

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



10.1490, 0.3704, 0.2964



15.4846, 0.3905, 0.2889



10.9237, 0.3956, 0.3438



4.0355, 0.3228, 0.3217



4.5272, 0.5531, 0.2820



21.4504, 0.5662, 0.2893

Previews

White Background



This preview shows how the Yxy color 16.7640, 0.2767, 0.3648 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 16.7640, 0.2767, 0.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

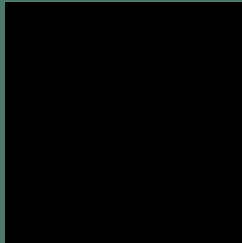
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7640, 0.2767, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 16.7640, 0.2767, 0.3648.

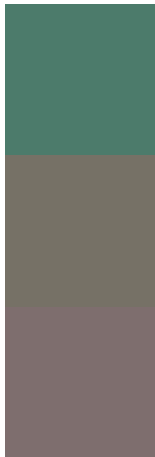


This preview shows how white text looks on a background with the Yxy color 16.7640, 0.2767, 0.3648.

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

16.7640, 0.2767, 0.3648

Protanopia

16.6211, 0.3332, 0.3511

Deuteranopia

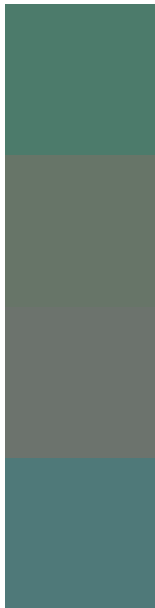
16.7133, 0.3346, 0.3291



Tritanopia

16.7673, 0.2601, 0.3099

Trichromacy



Original Color

16.7640, 0.2767, 0.3648

Protanomaly

16.6056, 0.3102, 0.3563

Deuteranomaly

16.5537, 0.3108, 0.3413

Tritanomaly

16.7175, 0.2658, 0.3289

Monochromacy



Original Color

16.7640, 0.2767, 0.3648

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.3586, 0.2980, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7640, 0.2767, 0.3648 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(76, 123, 107)` looks like.

```
.text, #text, p{  
    color:rgb(76, 123, 107)  
}
```

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(76, 123, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 123, 107) }
```

Border

The CSS property to change the border of an element to Yxy 16.7640, 0.2767, 0.3648 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(76, 123, 107) }
```

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

```
.border{ border-color:rgb(76, 123, 107) }
```

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

Here you see how a box with a 4 pixel rgb(76, 123, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 123, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 123, 107);  
box-shadow:4px 4px 4px 4px rgb(76, 123,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7640, 0.2767, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 123, 107) }
```

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

```
.background{ background-color: rgb(76, 123,  
107) }
```

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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