

Converting Colors

$Y_{xy}(16.9134, 0.2562, 0.3718)$

Have a look what the booklet for
Yxy(16.9134, 0.2562, 0.3718)
contains.

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Color

Yxy(16.9653, 0.2564, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	337F6C
RGB	51, 127, 108
RGB Percent	20%, 50%, 42%
CMY	0.8003, 0.5019, 0.5765
CMYK	0.60, 0.00, 0.15, 0.50
HSL	165°, 43%, 35%
HSV	165°, 60%, 50%
XYZ	11.6588, 16.9653, 16.8471
YIQ	102.1100, -39.1970, -22.0210

Conversions

Conversions Part 2

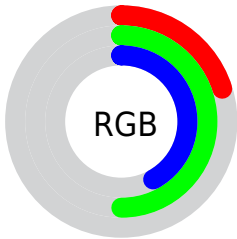
Format	Color
RYB	51, 94, 127
Decimal	3374956
CIELab	48.22, -28.36, 3.35
CIELCh	48, 28.559, 173.269
Yxy	16.9653, 0.2564, 0.3731
Android (android.graphics.Color)	4281565036 (0xFF337F6C)
YUV	102.1100, 2.9038, -44.8235
Hunter-Lab	41.1890, -21.5550, 4.5815

Details

The Yxy color **16.9653, 0.2564, 0.3731** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3162, 0.4421, 0.2930**, and the grayscale version is **13.3132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1490, 0.2700, 0.3626**, and **5.6447, 0.2418, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **16.6140, 0.2515, 0.3819**, and if you desaturate by 10%, it is **17.4105, 0.2630, 0.3646**.

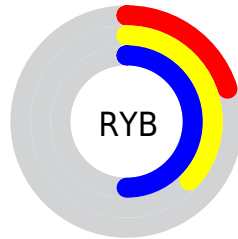
Distribution



Red (20%)

Green (50%)

Blue (42%)



Red (20%)

Yellow (37%)

Blue (50%)

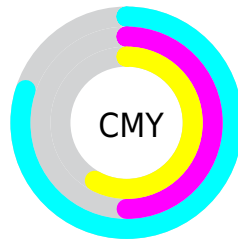


Cyan (60%)

Magenta (0%)

Yellow (15%)

Black (50%)



Cyan (80%)


Magenta (50%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9653, 0.2564, 0.3731 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 16.9653, 0.2564, 0.3731 by changing the saturation by 10% instead.


 16.9653, 0.2564,
0.3731


 16.9653, 0.2564,
0.3731


 234.9723, 0.2893,
0.3470


 10.2098, 0.2460,
0.3816


 38.2661, 0.2698,
0.3623


 5.5383, 0.2310,
0.3940

 53.5802, 0.2744,
0.3587


 2.5664, 0.2074,
0.4141

 72.5158, 0.2781,
0.3558

 0.9098, 0.0937,
0.4949

 95.4575, 0.2811,
0.3534

 0.0000, 0.0000,
0.0000

 122.7896, 0.2837,
0.3514

 154.8965, 0.2858,

0.3497

192.1626, 0.2877,
0.3482

■ 16.9653, 0.2564,
0.3731

■ 16.9653, 0.2564,
0.3731

■ 16.6140, 0.2515,
0.3819

■ 17.4105, 0.2630,
0.3646

■ 16.3471, 0.2483,
0.3909

■ 17.9543, 0.2710,
0.3564

■ 16.1563, 0.2470,
0.3999

■ 18.6035, 0.2803,
0.3487

■ 16.0138, 0.2469,
0.4089

■ 19.3637, 0.2905,
0.3415

■ 16.0123, 0.2469,
0.4090

■ 20.2400, 0.3015,
0.3349

■ 21.2374, 0.3128,
0.3289

■ 22.3603, 0.3244,
0.3235

■ 23.6133, 0.3361,
0.3187

■ 25.0002, 0.3476,
0.3144

Harmonies

Analogous

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



16.9653, 0.3067, 0.4180



16.9653, 0.2564, 0.3731



16.9653, 0.2230, 0.3163

Triad

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



16.9653, 0.2564, 0.3731



16.9653, 0.2593, 0.2420



16.9653, 0.4243, 0.3730

Complementary

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



16.9653, 0.2564, 0.3731



7.3162, 0.4421, 0.2930

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.



16.9653, 0.4108, 0.3294



16.9653, 0.2564, 0.3731



16.9653, 0.3108, 0.2577

Square

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



16.9653, 0.2564, 0.3731



16.9653, 0.2249, 0.2454



16.9653, 0.3676, 0.2887



16.9653, 0.4049, 0.4109

Rectangle

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



16.9653, 0.2564, 0.3731



16.9653, 0.2132, 0.2836



16.9653, 0.3676, 0.2887



16.9653, 0.4236, 0.3586

Sweetspot

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



16.9660, 0.2564, 0.3731



34.8875, 0.2921, 0.3405



16.7200, 0.3224, 0.5034



8.0818, 0.2894, 0.3422



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.9660, 0.2564, 0.3731



29.5476, 0.2501, 0.3853



12.9578, 0.2318, 0.2845



4.8691, 0.3024, 0.3344



16.1461, 0.2469, 0.4090



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.3162, 0.4421, 0.2930



10.5912, 0.4919, 0.2898



9.1257, 0.4626, 0.3659



4.3605, 0.3242, 0.3236



4.6540, 0.5856, 0.3000



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9653, 0.2564, 0.3731 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 16.9653, 0.2564, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

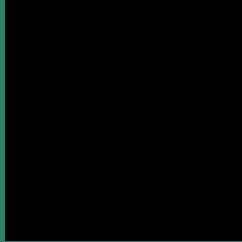
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9653, 0.2564, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 16.9653, 0.2564, 0.3731.

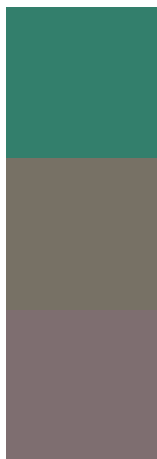


This preview shows how white text looks on a background with the Yxy color 16.9653, 0.2564, 0.3731.

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

16.9653, 0.2564, 0.3731

Protanopia

16.6718, 0.3359, 0.3530

Deuteranopia

16.7573, 0.3320, 0.3252



Tritanopia

16.8200, 0.2408, 0.3073

Trichromacy



Original Color

16.9653, 0.2564, 0.3731

Protanomaly

16.3360, 0.2990, 0.3593

Deuteranomaly

16.2911, 0.2972, 0.3395

Tritanomaly

16.7404, 0.2462, 0.3288

Monochromacy



Original Color

16.9653, 0.2564, 0.3731

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.2074, 0.2854, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9653, 0.2564, 0.3731 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(51, 127, 108)` looks like.

```
.text, #text, p{  
    color:rgb(51, 127, 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(51, 127, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 127, 108) }
```

Border

The CSS property to change the border of an element to Yxy 16.9653, 0.2564, 0.3731 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(51, 127, 108) }
```

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

```
.border{ border-color:rgb(51, 127, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 127, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 127, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 127, 108);  
box-shadow:4px 4px 4px 4px rgb(51, 127,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9653, 0.2564, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 127, 108) }
```

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

```
.background{ background-color: rgb(51, 127,  
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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