

Converting Colors

$Y_{xy}(16.7750, 0.3120, 0.3087)$

Have a look what the booklet for
Yxy(16.7750, 0.3120, 0.3087)
contains.

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Color

Yxy(16.7671, 0.3111, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	786F7A
RGB	120, 111, 122
RGB Percent	47%, 44%, 48%
CMY	0.5293, 0.5647, 0.5215
CMYK	0.02, 0.09, 0.00, 0.52
HSL	289°, 5%, 46%
HSV	289°, 9%, 48%
XYZ	16.9469, 16.7671, 20.7600
YIQ	114.9450, 1.8330, 5.3290

Conversions

Conversions Part 2

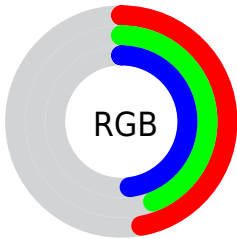
Format	Color
R_{YB}	120, 111, 122
Decimal	7892858
CIE _{Lab}	47.97, 5.71, -4.83
CIE _{LCh}	48, 7.474, 319.776
Yxy	16.7671, 0.3111, 0.3078
Android (android.graphics.Color)	4286082938 (0xFF786F7A)
YUV	114.9450, 3.4781, 4.4332
Hunter-Lab	40.9476, 2.2168, -1.3961

Details

The Yxy color **16.7671, 0.3111, 0.3078** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.5792, 0.3141, 0.3508**, and the grayscale version is **17.1173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0210, 0.3116, 0.3138**, and **5.4138, 0.3120, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **14.1295, 0.3089, 0.2833**, and if you desaturate by 10%, it is **19.7735, 0.3129, 0.3312**.

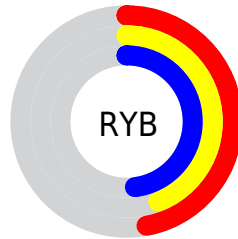
Distribution



Red (47%)

Green (44%)

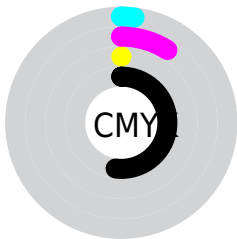
Blue (48%)



Red (47%)

Yellow (44%)

Blue (48%)

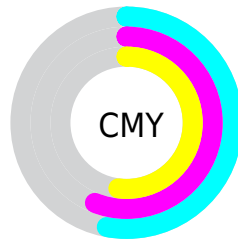


Cyan (2%)

Magenta (9%)

Yellow (0%)

Black (52%)



Cyan (53%)


Magenta (56%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7671, 0.3111, 0.3078 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 16.7671, 0.3111, 0.3078 by changing the saturation by 10% instead.

 16.7671, 0.3111,
0.3078


 16.7671, 0.3111,
0.3078


233.8267, 0.3121,
0.3200


 10.0686, 0.3107,
0.3040


 37.9249, 0.3115,
0.3127


 5.4445, 0.3102,
0.2986

 53.1530, 0.3117,
0.3144

 2.5103, 0.3093,
0.2901

 71.9930, 0.3118,
0.3158

 0.8818, 0.3074,
0.2752

 94.8294, 0.3119,
0.3170

 0.0000, 0.0000,
0.0000

122.0466, 0.3120,
0.3179

154.0289, 0.3120,

0.3187

191.1608, 0.3121,
0.3194

■ 16.7671, 0.3111,
0.3078

■ 16.7671, 0.3111,
0.3078

■ 14.1295, 0.3089,
0.2833

■ 19.7735, 0.3129,
0.3312

■ 11.8439, 0.3063,
0.2583

■ 23.1603, 0.3143,
0.3532

■ 9.8953, 0.3032,
0.2334

■ 26.9414, 0.3154,
0.3737

■ 8.2668, 0.2997,
0.2093

■ 31.1293, 0.3162,
0.3925

■ 6.9401, 0.2957,
0.1871

■ 35.7359, 0.3167,
0.4097

■ 5.8950, 0.2915,
0.1677

■ 40.7727, 0.3171,
0.4253

■ 5.1089, 0.2870,
0.1518

■ 46.2507, 0.3174,
0.4395

■ 4.5555, 0.2824,
0.1399

■ 52.1805, 0.3175,
0.4523

■ 4.1561, 0.2778,
0.1310

■ 58.5723, 0.3175,
0.4638

Harmonies

Analogous

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



16.7671, 0.2971, 0.3042



16.7671, 0.3111, 0.3078



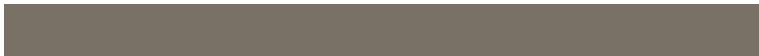
16.7671, 0.3258, 0.3167

Triad

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



16.7671, 0.3111, 0.3078



16.7671, 0.3384, 0.3509



16.7671, 0.2889, 0.3284

Complementary

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



16.7671, 0.3111, 0.3078



18.5792, 0.3141, 0.3508

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.



16.7671, 0.2995, 0.3417



16.7671, 0.3111, 0.3078



16.7671, 0.3281, 0.3549

Square

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



16.7671, 0.3111, 0.3078



16.7671, 0.3418, 0.3413



16.7671, 0.3138, 0.3515



16.7671, 0.2845, 0.3156

Rectangle

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



16.7671, 0.3111, 0.3078



16.7671, 0.3340, 0.3246



16.7671, 0.3138, 0.3515



16.7671, 0.2918, 0.3330

Sweetspot

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



16.7678, 0.3111, 0.3078



32.5645, 0.3122, 0.3219



16.5975, 0.2994, 0.3111



7.3588, 0.3121, 0.3202



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.



16.7678, 0.3111, 0.3078



28.4018, 0.3107, 0.3024



16.8261, 0.3180, 0.3145



4.0428, 0.3111, 0.3077



4.3317, 0.2772, 0.1301



20.3268, 0.2749, 0.1288

Inverse Universe

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



16.6973, 0.3251, 0.3252



28.2520, 0.3285, 0.3242



18.5275, 0.3078, 0.3439



4.0257, 0.3251, 0.3252



4.4160, 0.6057, 0.3110



20.9723, 0.6163, 0.3169

Previews

White Background



This preview shows how the Yxy color 16.7671, 0.3111, 0.3078 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 16.7671, 0.3111, 0.3078 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 16.7671, 0.3111, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 16.7671, 0.3111, 0.3078.

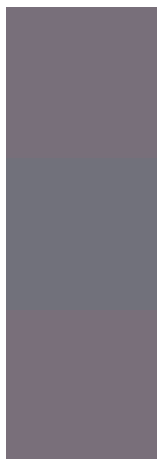


This preview shows how white text looks on a background with the Yxy color 16.7671, 0.3111, 0.3078.

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

16.7671, 0.3111, 0.3078

Protanopia

16.7510, 0.3008, 0.3093

Deuteranopia

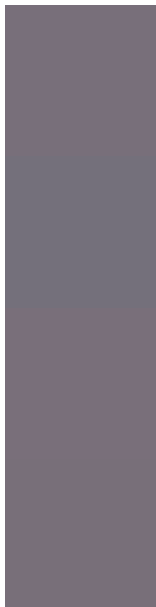
16.8390, 0.3124, 0.3079



Tritanopia

16.7180, 0.3135, 0.3116

Trichromacy



Original Color

16.7671, 0.3111, 0.3078

Protanomaly

16.7314, 0.3046, 0.3076

Deuteranomaly

16.8390, 0.3124, 0.3079

Tritanomaly

16.7424, 0.3123, 0.3097

Monochromacy



Original Color

16.7671, 0.3111, 0.3078

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1245, 0.3118, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7671, 0.3111, 0.3078 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(120, 111, 122)` looks like.

```
.text, #text, p{  
    color:rgb(120, 111, 122)  
}
```

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(120, 111, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 111, 122) }
```

Border

The CSS property to change the border of an element to Yxy 16.7671, 0.3111, 0.3078 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(120, 111, 122) }
```

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

```
.border{ border-color:rgb(120, 111, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 111, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 111, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 111, 122);  
box-shadow:4px 4px 4px 4px rgb(120, 111,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7671, 0.3111, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 111, 122) }
```

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

```
.background{ background-color: rgb(120,  
111, 122) }
```

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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