

Converting Colors

$Y_{xy}(16.9089, 0.3114, 0.3083)$

Have a look what the booklet for
Yxy(16.9089, 0.3114, 0.3083)
contains.

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Color

Yxy(16.8390, 0.3124, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	796F7A
RGB	121, 111, 122
RGB Percent	47%, 44%, 48%
CMY	0.5254, 0.5647, 0.5215
CMYK	0.01, 0.09, 0.00, 0.52
HSL	295°, 5%, 46%
HSV	295°, 9%, 48%
XYZ	17.0851, 16.8390, 20.7657
YIQ	115.2440, 2.4290, 5.5410

Conversions

Conversions Part 2

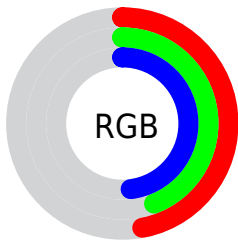
Format	Color
R _Y B	121, 111, 122
Decimal	7958394
CIE Lab	48.06, 6.08, -4.68
CIE LCh	48, 7.670, 322.398
Yxy	16.8390, 0.3124, 0.3079
Android (android.graphics.Color)	4286148474 (0xFF796F7A)
YUV	115.2440, 3.3307, 5.0480
Hunter-Lab	41.0354, 2.5068, -1.2787

Details

The Yxy color **16.8390, 0.3124, 0.3079** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.5134, 0.3129, 0.3509**, and the grayscale version is **17.2127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1346, 0.3125, 0.3138**, and **5.4138, 0.3120, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **14.2777, 0.3119, 0.2838**, and if you desaturate by 10%, it is **19.7664, 0.3127, 0.3312**.

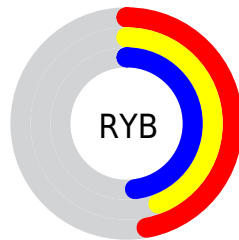
Distribution



Red (47%)

Green (44%)

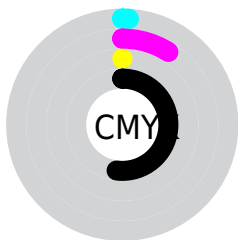
Blue (48%)



Red (47%)

Yellow (44%)

Blue (48%)

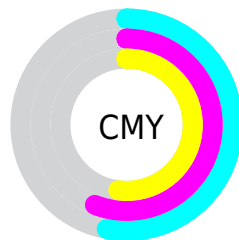


Cyan (1%)

Magenta (9%)

Yellow (0%)

Black (52%)



Cyan (53%)


Magenta (56%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8390, 0.3124, 0.3079 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 16.8390, 0.3124, 0.3079 by changing the saturation by 10% instead.


 16.8390, 0.3124,
0.3079


 16.8390, 0.3124,
0.3079


234.2429, 0.3127,
0.3201


 10.1198, 0.3123,
0.3041


 38.0488, 0.3125,
0.3128


 5.4784, 0.3121,
0.2987

 53.3081, 0.3126,
0.3145

 2.5306, 0.3117,
0.2904

 72.1829, 0.3126,
0.3159

 0.8919, 0.3108,
0.2756

 95.0575, 0.3126,
0.3170

 0.0000, 0.0000,
0.0000

122.3165, 0.3126,
0.3180

154.3441, 0.3126,

0.3188

191.5247, 0.3126,
0.3195

■ 16.8390, 0.3124,
0.3079

■ 16.8390, 0.3124,
0.3079

■ 14.2777, 0.3119,
0.2838

■ 19.7664, 0.3127,
0.3312

■ 12.0657, 0.3111,
0.2594

■ 23.0714, 0.3129,
0.3533

■ 10.1880, 0.3101,
0.2354

■ 26.7681, 0.3130,
0.3740

■ 8.6278, 0.3088,
0.2126

■ 30.8687, 0.3129,
0.3932

■ 7.3668, 0.3073,
0.1920

■ 35.3853, 0.3128,
0.4107

■ 6.3849, 0.3056,
0.1743

■ 40.3292, 0.3125,
0.4267

■ 5.6593, 0.3036,
0.1602

■ 45.7115, 0.3123,
0.4412

■ 5.1638, 0.3016,
0.1501

■ 51.5427, 0.3120,
0.4544

■ 4.8200, 0.2994,
0.1429

■ 57.8331, 0.3117,
0.4663

Harmonies

Analogous

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



16.8390, 0.2979, 0.3036



16.8390, 0.3124, 0.3079



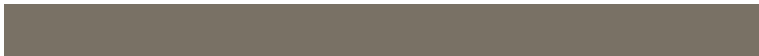
16.8390, 0.3273, 0.3174

Triad

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



16.8390, 0.3124, 0.3079



16.8390, 0.3384, 0.3521



16.8390, 0.2876, 0.3272

Complementary

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



16.8390, 0.3124, 0.3079



18.5134, 0.3129, 0.3509

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.



16.8390, 0.2980, 0.3409



16.8390, 0.3124, 0.3079



16.8390, 0.3273, 0.3555

Square

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



16.8390, 0.3124, 0.3079



16.8390, 0.3425, 0.3426



16.8390, 0.3125, 0.3515



16.8390, 0.2838, 0.3143

Rectangle

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



16.8390, 0.3124, 0.3079



16.8390, 0.3354, 0.3256



16.8390, 0.3125, 0.3515



16.8390, 0.2904, 0.3318

Sweetspot

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



16.8397, 0.3124, 0.3079



32.6076, 0.3126, 0.3219



16.3944, 0.2994, 0.3093



7.3709, 0.3126, 0.3203



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.



16.8397, 0.3124, 0.3079



28.5576, 0.3123, 0.3026



16.8049, 0.3192, 0.3163



4.0601, 0.3124, 0.3078



5.0374, 0.2991, 0.1422



23.8373, 0.2980, 0.1415

Inverse Universe

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



16.6758, 0.3263, 0.3271



28.2045, 0.3301, 0.3266



18.5483, 0.3067, 0.3421



4.0204, 0.3264, 0.3271



4.3809, 0.6252, 0.3218



20.8403, 0.6323, 0.3257

Previews

White Background



This preview shows how the Yxy color 16.8390, 0.3124, 0.3079 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 16.8390, 0.3124, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

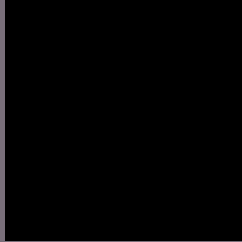
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8390, 0.3124, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 16.8390, 0.3124, 0.3079.



This preview shows how white text looks on a background with the Yxy color 16.8390, 0.3124, 0.3079.

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

16.8390, 0.3124, 0.3079

Protanopia

16.7510, 0.3008, 0.3093

Deuteranopia

16.9116, 0.3137, 0.3080



Tritanopia

16.7899, 0.3149, 0.3117

Trichromacy



Original Color

16.8390, 0.3124, 0.3079

Protanomaly

16.7314, 0.3046, 0.3076

Deuteranomaly

16.9116, 0.3137, 0.3080

Tritanomaly

16.8143, 0.3136, 0.3098

Monochromacy



Original Color

16.8390, 0.3124, 0.3079

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 16.8390, 0.3124, 0.3079 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(121, 111, 122)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 111, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 111, 122) }
```

Border

The CSS property to change the border of an element to Yxy 16.8390, 0.3124, 0.3079 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(121, 111, 122) }
```

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

```
.border{ border-color:rgb(121, 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(121, 111, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 111, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 111, 122);  
box-shadow:4px 4px 4px 4px rgb(121, 111,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8390, 0.3124, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 111, 122) }
```

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

```
.background{ background-color: rgb(121,  
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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