

Converting Colors

$Y_{xy}(17.3182, 0.3375, 0.3212)$

Have a look what the booklet for
Yxy(17.3182, 0.3375, 0.3212)
contains.

Yxy(17.2723, 0.3376, 0.3216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.2723, 0.3376, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	846E72
RGB	132, 110, 114
RGB Percent	52%, 43%, 45%
CMY	0.4823, 0.5686, 0.5529
CMYK	0.00, 0.17, 0.14, 0.48
HSL	349°, 9%, 47%
HSV	349°, 17%, 52%
XYZ	18.1316, 17.2723, 18.3035
YIQ	117.0340, 11.8280, 5.9080

Conversions

Conversions Part 2

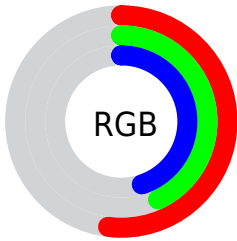
Format	Color
R_{YB}	132, 110, 114
Decimal	8679026
CIE _{Lab}	48.60, 9.38, 1.00
CIE _{LCh}	49, 9.429, 6.101
Yxy	17.2723, 0.3376, 0.3216
Android (android.graphics.Color)	4286869106 (0xFF846E72)
YUV	117.0340, -1.4958, 13.1252
Hunter-Lab	41.5600, 5.1454, 2.9800

Details

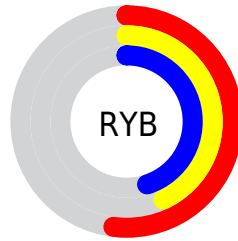
The Yxy color **17.2723, 0.3376, 0.3216** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.3800, 0.2925, 0.3366**, and the grayscale version is **17.8033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9081, 0.3312, 0.3237**, and **5.6324, 0.3488, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **14.4021, 0.3572, 0.3169**, and if you desaturate by 10%, it is **20.5975, 0.3217, 0.3261**.

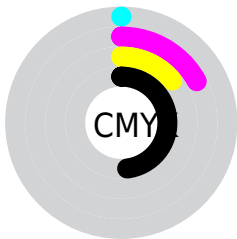
Distribution



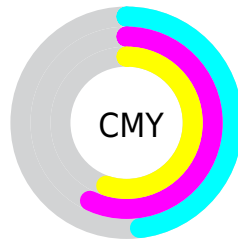
- Red (52%)
- Green (43%)
- Blue (45%)



- Red (52%)
- Yellow (43%)
- Blue (45%)



- Cyan (0%)
- Magenta (17%)
- Yellow (14%)
- Black (48%)



- Cyan (48%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2723, 0.3376, 0.3216 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 17.2723, 0.3376, 0.3216 by changing the saturation by 10% instead.


 17.2723, 0.3376,
0.3216


 17.2723, 0.3376,
0.3216


236.7367, 0.3231,
0.3260


 10.4288, 0.3422,
0.3202


 38.7934, 0.3317,
0.3234


 5.6842, 0.3488,
0.3181

 54.2397, 0.3297,
0.3240

 2.6540, 0.3593,
0.3149

 73.3225, 0.3281,
0.3245

 0.9539, 0.3784,
0.3087

 96.4262, 0.3267,
0.3249

 0.0000, 1.0000,
0.0000

123.9350, 0.3256,
0.3252

 0.0000, 0.0000,
0.0000

156.2334, 0.3246,

0.3255

193.7059, 0.3238,
0.3258

■ 17.2723, 0.3376,
0.3216

■ 17.2723, 0.3376,
0.3216

■ 14.4021, 0.3572,
0.3169

■ 20.5975, 0.3217,
0.3261

■ 11.9648, 0.3810,
0.3121

■ 24.3938, 0.3087,
0.3304

■ 9.9401, 0.4098,
0.3076

■ 28.6796, 0.2981,
0.3343

■ 8.3050, 0.4436,
0.3039

■ 33.4713, 0.2895,
0.3378

■ 7.0343, 0.4818,
0.3016

■ 38.7848, 0.2824,
0.3411

■ 6.0998, 0.5224,
0.3017

■ 44.6351, 0.2765,
0.3440

■ 5.4693, 0.5617,
0.3046

■ 51.0369, 0.2716,
0.3467

■ 5.0844, 0.5957,
0.3100

■ 58.0039, 0.2675,
0.3491

■ 4.9733, 0.6061,
0.3113

■ 65.5497, 0.2640,
0.3513

Harmonies

Analogous

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



17.2723, 0.3208, 0.3080



17.2723, 0.3376, 0.3216



17.2723, 0.3477, 0.3373

Triad

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



17.2723, 0.3376, 0.3216



17.2723, 0.3224, 0.3604



17.2723, 0.2786, 0.3055

Complementary

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



17.2723, 0.3376, 0.3216



21.3800, 0.2925, 0.3366

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.



17.2723, 0.2790, 0.3190



17.2723, 0.3376, 0.3216



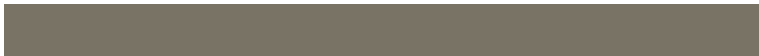
17.2723, 0.3040, 0.3514

Square

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



17.2723, 0.3376, 0.3216



17.2723, 0.3386, 0.3602



17.2723, 0.2882, 0.3360



17.2723, 0.2869, 0.2987

Rectangle

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



17.2723, 0.3376, 0.3216



17.2723, 0.3490, 0.3472



17.2723, 0.2882, 0.3360



17.2723, 0.2777, 0.3094

Sweetspot

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



17.2731, 0.3376, 0.3216



37.2658, 0.3195, 0.3268



17.4048, 0.3093, 0.2888



8.5870, 0.3203, 0.3266



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.2731, 0.3376, 0.3216



28.4224, 0.3445, 0.3198



18.7478, 0.3409, 0.3420



4.7016, 0.3253, 0.3251



4.8148, 0.6058, 0.3111



0.0175, 0.5154, 0.2613

Inverse Universe

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



17.2731, 0.3376, 0.3216



28.4224, 0.3445, 0.3198



19.6592, 0.2880, 0.3157



4.7016, 0.3253, 0.3251



4.8148, 0.6058, 0.3111



0.0175, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 17.2723, 0.3376, 0.3216 looks on a white background.

Color Contrast Check

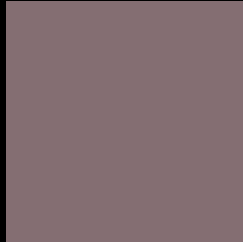
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2723, 0.3376, 0.3216 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 17.2723, 0.3376, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 17.2723, 0.3376, 0.3216.



This preview shows how white text looks on a background with the Yxy color 17.2723, 0.3376, 0.3216.

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

17.2723, 0.3376, 0.3216

Protanopia

17.3277, 0.3129, 0.3251

Deuteranopia

17.3153, 0.3303, 0.3253



Tritanopia

17.2318, 0.3339, 0.3125

Trichromacy



Original Color

17.2723, 0.3376, 0.3216

Protanomaly

17.2088, 0.3209, 0.3233

Deuteranomaly

17.2509, 0.3332, 0.3234

Tritanomaly

17.2082, 0.3352, 0.3143

Monochromacy



Original Color

17.2723, 0.3376, 0.3216

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4332, 0.3208, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2723, 0.3376, 0.3216 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(132, 110, 114)` looks like.

```
.text, #text, p{  
    color:rgb(132, 110, 114)  
}
```

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(132, 110, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 110, 114) }
```

Border

The CSS property to change the border of an element to Yxy 17.2723, 0.3376, 0.3216 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(132, 110, 114) }
```

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

```
.border{ border-color:rgb(132, 110, 114) }
```

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

Here you see how a box with a 4 pixel rgb(132, 110, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 110, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 110, 114);  
box-shadow:4px 4px 4px 4px rgb(132, 110,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2723, 0.3376, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 110, 114) }
```

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

```
.background{ background-color: rgb(132,  
110, 114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor