

Converting Colors

$Y_{xy}(17.0127, 0.3496, 0.3279)$

Have a look what the booklet for
Yxy(17.0127, 0.3496, 0.3279)
contains.

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Color

Yxy(16.9801, 0.3491, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	876C6D
RGB	135, 108, 109
RGB Percent	53%, 42%, 43%
CMY	0.4707, 0.5764, 0.5726
CMYK	0.00, 0.20, 0.19, 0.47
HSL	358°, 11%, 48%
HSV	358°, 20%, 53%
XYZ	18.1111, 16.9801, 16.7881
YIQ	116.1870, 15.7710, 6.0350

Conversions

Conversions Part 2

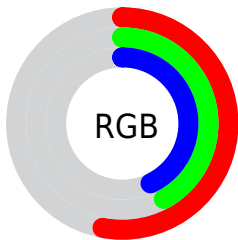
Format	Color
R_{YB}	135, 108, 109
Decimal	8875117
CIE Lab	48.23, 10.85, 3.50
CIE LCh	48, 11.399, 17.907
Yxy	16.9801, 0.3491, 0.3273
Android (android.graphics.Color)	4287065197 (0xFF876C6D)
YUV	116.1870, -3.5432, 16.4990
Hunter-Lab	41.2069, 6.3414, 4.6895

Details

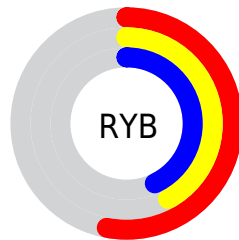
The Yxy color **16.9801, 0.3491, 0.3273** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.2312, 0.2849, 0.3307**, and the grayscale version is **17.5325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1532, 0.3413, 0.3277**, and **5.5108, 0.3658, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **14.0906, 0.3740, 0.3264**, and if you desaturate by 10%, it is **20.3534, 0.3289, 0.3282**.

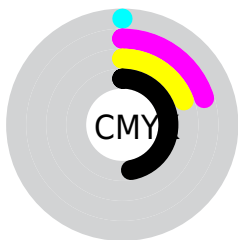
Distribution



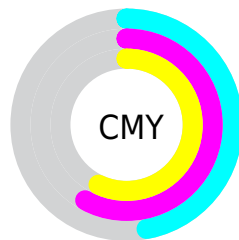
- Red (53%)
- Green (42%)
- Blue (43%)



- Red (53%)
- Yellow (42%)
- Blue (43%)



- Cyan (0%)
- Magenta (20%)
- Yellow (19%)
- Black (47%)





- Cyan (47%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9801, 0.3491, 0.3273 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 16.9801, 0.3491, 0.3273 by changing the saturation by 10% instead.


 16.9801, 0.3491,
0.3273


 16.9801, 0.3491,
0.3273


235.0577, 0.3278,
0.3285

 10.2203, 0.3559,
0.3268


 38.2916, 0.3404,
0.3279


 5.5453, 0.3658,
0.3260

 53.6120, 0.3374,
0.3280

 2.5706, 0.3815,
0.3245

 72.5548, 0.3350,
0.3282

 0.9119, 0.4126,
0.3228

 95.5043, 0.3331,
0.3283

 0.0000, 1.0000,
0.0000

122.8450, 0.3314,
0.3283

 0.0000, 0.0000,
0.0000

154.9612, 0.3300,

0.3284

192.2373, 0.3288,
0.3285

■ 16.9801, 0.3491,
0.3273

■ 16.9801, 0.3491,
0.3273

■ 14.0906, 0.3740,
0.3264

■ 20.3534, 0.3289,
0.3282

■ 11.6607, 0.4046,
0.3256

■ 24.2288, 0.3127,
0.3290

■ 9.6672, 0.4412,
0.3248

■ 28.6266, 0.2996,
0.3298

■ 8.0844, 0.4834,
0.3244

■ 33.5650, 0.2889,
0.3305

■ 6.8836, 0.5287,
0.3244

■ 39.0617, 0.2802,
0.3311

■ 6.0326, 0.5727,
0.3251

■ 45.1333, 0.2731,
0.3317

■ 5.4939, 0.6088,
0.3264

■ 51.7958, 0.2671,
0.3322

■ 5.1604, 0.6345,
0.3269

■ 59.0647, 0.2622,
0.3326

■ 5.1595, 0.6345,
0.3269

■ 66.9546, 0.2581,
0.3331

Harmonies

Analogous

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



16.9801, 0.3312, 0.3095



16.9801, 0.3491, 0.3273



16.9801, 0.3570, 0.3461

Triad

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



16.9801, 0.3491, 0.3273



16.9801, 0.3155, 0.3643



16.9801, 0.2742, 0.2960

Complementary

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



16.9801, 0.3491, 0.3273



22.2312, 0.2849, 0.3307

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.



16.9801, 0.2704, 0.3094



16.9801, 0.3491, 0.3273



16.9801, 0.2938, 0.3496

Square

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



16.9801, 0.3491, 0.3273



16.9801, 0.3371, 0.3685



16.9801, 0.2775, 0.3291



16.9801, 0.2879, 0.2917

Rectangle

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



16.9801, 0.3491, 0.3273



16.9801, 0.3553, 0.3570



16.9801, 0.2775, 0.3291



16.9801, 0.2717, 0.2996

Sweetspot

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



16.9809, 0.3491, 0.3273



39.0215, 0.3223, 0.3285



17.5144, 0.3132, 0.2812



8.9512, 0.3232, 0.3285



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.9809, 0.3491, 0.3273



27.9541, 0.3598, 0.3269



19.7001, 0.3463, 0.3512



4.6912, 0.3274, 0.3283



4.7601, 0.6343, 0.3268



0.0167, 0.6090, 0.3129

Inverse Universe

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



16.9809, 0.3491, 0.3273



27.9541, 0.3598, 0.3269



19.0645, 0.2826, 0.3058



4.6912, 0.3274, 0.3283



4.7601, 0.6343, 0.3268



0.0167, 0.6090, 0.3129

Previews

White Background



This preview shows how the Yxy color 16.9801, 0.3491, 0.3273 looks on a white background.

Color Contrast Check

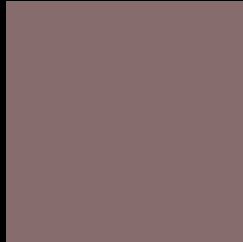
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9801, 0.3491, 0.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

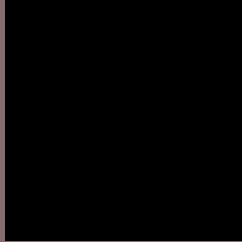
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9801, 0.3491, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 16.9801, 0.3491, 0.3273.

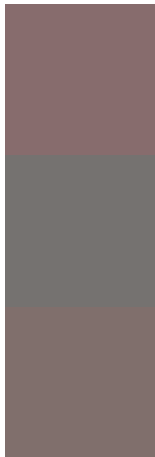


This preview shows how white text looks on a background with the Yxy color 16.9801, 0.3491, 0.3273.

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

16.9801, 0.3491, 0.3273

Protanopia

16.9864, 0.3191, 0.3330

Deuteranopia

17.0408, 0.3398, 0.3348



Tritanopia

16.9874, 0.3426, 0.3145

Trichromacy



Original Color

16.9801, 0.3491, 0.3273

Protanomaly

17.0211, 0.3301, 0.3310

Deuteranomaly

17.0599, 0.3442, 0.3329

Tritanomaly

16.9419, 0.3453, 0.3181

Monochromacy



Original Color

16.9801, 0.3491, 0.3273

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2135, 0.3260, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9801, 0.3491, 0.3273 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(135, 108, 109)` looks like.

```
.text, #text, p{  
    color:rgb(135, 108, 109)  
}
```

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(135, 108, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 108, 109) }
```

Border

The CSS property to change the border of an element to Yxy 16.9801, 0.3491, 0.3273 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(135, 108, 109) }
```

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

```
.border{ border-color:rgb(135, 108, 109) }
```

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

Here you see how a box with a 4 pixel rgb(135, 108, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 108, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 108, 109);  
box-shadow:4px 4px 4px 4px rgb(135, 108,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9801, 0.3491, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 108, 109) }
```

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

```
.background{ background-color: rgb(135,  
108, 109) }
```

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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