

Converting Colors

$Y_{xy}(16.2742, 0.3400, 0.3251)$

Have a look what the booklet for
Yxy(16.2742, 0.3400, 0.3251)
contains.

Yxy(16.2866, 0.3409, 0.3253)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2866, 0.3409, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	816B6D
RGB	129, 107, 109
RGB Percent	51%, 42%, 43%
CMY	0.4942, 0.5803, 0.5725
CMYK	0.00, 0.17, 0.15, 0.49
HSL	355°, 9%, 46%
HSV	355°, 17%, 51%
XYZ	17.0676, 16.2866, 16.7122
YIQ	113.8060, 12.4700, 5.2860

Conversions

Conversions Part 2

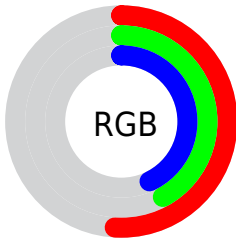
Format	Color
R _Y B	129, 107, 109
Decimal	8481645
CIE Lab	47.35, 9.03, 2.14
CIE LCh	47, 9.283, 13.316
Yxy	16.2866, 0.3409, 0.3253
Android (android.graphics.Color)	4286671725 (0xFF816B6D)
YUV	113.8060, -2.3694, 13.3251
Hunter-Lab	40.3567, 4.8671, 3.6970

Details

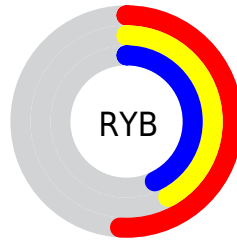
The Yxy color **16.2866, 0.3409, 0.3253** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3507, 0.2901, 0.3328**, and the grayscale version is **16.7701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9369, 0.3345, 0.3263**, and **5.2418, 0.3520, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **13.5592, 0.3628, 0.3230**, and if you desaturate by 10%, it is **19.4503, 0.3231, 0.3275**.

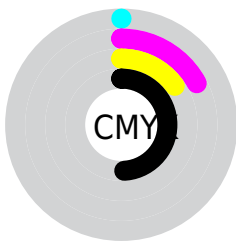
Distribution



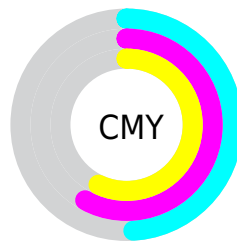
- Red (51%)
- Green (42%)
- Blue (43%)



- Red (51%)
- Yellow (42%)
- Blue (43%)



- Cyan (0%)
- Magenta (17%)
- Yellow (15%)
- Black (49%)





- Cyan (49%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2866, 0.3409, 0.3253 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 16.2866, 0.3409, 0.3253 by changing the saturation by 10% instead.


 16.2866, 0.3409,
0.3253


 16.2866, 0.3409,
0.3253


231.0270, 0.3243,
0.3276


 9.7272, 0.3462,
0.3245


 37.0950, 0.3341,
0.3263


 5.2184, 0.3540,
0.3233

 52.1129, 0.3318,
0.3266

 2.3760, 0.3666,
0.3212

 70.7189, 0.3299,
0.3268

 0.8135, 0.3929,
0.3187

 93.2977, 0.3284,
0.3270

 0.0000, 0.0000,
0.0000

120.2334, 0.3271,
0.3272

151.9107, 0.3260,

0.3274

188.7137, 0.3251,
0.3275

■ 16.2866, 0.3409,
0.3253

■ 16.2866, 0.3409,
0.3253

■ 13.5592, 0.3628,
0.3230

■ 19.4503, 0.3231,
0.3275

■ 11.2470, 0.3897,
0.3207

■ 23.0660, 0.3087,
0.3296

■ 9.3301, 0.4222,
0.3185

■ 27.1512, 0.2971,
0.3315

■ 7.7865, 0.4602,
0.3169

■ 31.7220, 0.2875,
0.3332

■ 6.5918, 0.5026,
0.3162

■ 36.7936, 0.2797,
0.3348

■ 5.7188, 0.5464,
0.3168

■ 42.3805, 0.2733,
0.3362

■ 5.1361, 0.5864,
0.3190

■ 48.4968, 0.2679,
0.3375

■ 4.7830, 0.6177,
0.3219

■ 55.1558, 0.2635,
0.3387

■ 4.6904, 0.6256,
0.3220

■ 62.3706, 0.2597,
0.3398

Harmonies

Analogous

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



16.2866, 0.3253, 0.3109



16.2866, 0.3409, 0.3253



16.2866, 0.3488, 0.3411

Triad

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



16.2866, 0.3409, 0.3253



16.2866, 0.3180, 0.3591



16.2866, 0.2797, 0.3030

Complementary

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



16.2866, 0.3409, 0.3253



20.3507, 0.2901, 0.3328

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.



16.2866, 0.2779, 0.3152



16.2866, 0.3409, 0.3253



16.2866, 0.2997, 0.3482

Square

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



16.2866, 0.3409, 0.3253



16.2866, 0.3353, 0.3612



16.2866, 0.2851, 0.3319



16.2866, 0.2900, 0.2981

Rectangle

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



16.2866, 0.3409, 0.3253



16.2866, 0.3485, 0.3504



16.2866, 0.2851, 0.3319



16.2866, 0.2781, 0.3064

Sweetspot

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



16.2873, 0.3409, 0.3253



36.0203, 0.3202, 0.3279



16.5973, 0.3117, 0.2884



8.0710, 0.3211, 0.3278



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.



16.2873, 0.3409, 0.3253



27.4113, 0.3479, 0.3245



18.1704, 0.3410, 0.3456



4.3501, 0.3265, 0.3271



4.5759, 0.6255, 0.3219



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.2873, 0.3409, 0.3253



27.4113, 0.3479, 0.3245



18.1888, 0.2874, 0.3118



4.3501, 0.3265, 0.3271



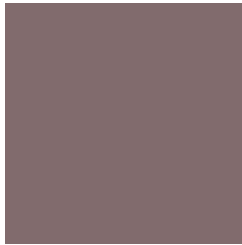
4.5759, 0.6255, 0.3219



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.2866, 0.3409, 0.3253 looks on a white background.

Color Contrast Check

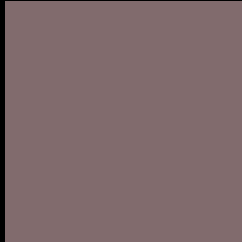
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2866, 0.3409, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

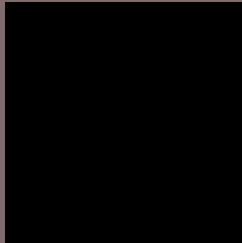
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2866, 0.3409, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 16.2866, 0.3409, 0.3253.

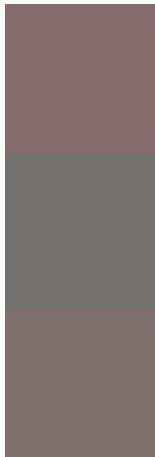


This preview shows how white text looks on a background with the Yxy color 16.2866, 0.3409, 0.3253.

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

16.2866, 0.3409, 0.3253

Protanopia

16.4030, 0.3167, 0.3290

Deuteranopia

16.4014, 0.3348, 0.3291



Tritanopia

16.2688, 0.3358, 0.3140

Trichromacy



Original Color

16.2866, 0.3409, 0.3253

Protanomaly

16.2926, 0.3250, 0.3271

Deuteranomaly

16.2649, 0.3364, 0.3271

Tritanomaly

16.2237, 0.3385, 0.3178

Monochromacy



Original Color

16.2866, 0.3409, 0.3253

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4607, 0.3222, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2866, 0.3409, 0.3253 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(129, 107, 109)` looks like.

```
.text, #text, p{  
    color:rgb(129, 107, 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(129, 107, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 107, 109) }
```

Border

The CSS property to change the border of an element to Yxy 16.2866, 0.3409, 0.3253 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(129, 107, 109) }
```

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

```
.border{ border-color:rgb(129, 107, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 107, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 107, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 107, 109);  
box-shadow:4px 4px 4px 4px rgb(129, 107,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2866, 0.3409, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 107, 109) }
```

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

```
.background{ background-color: rgb(129,  
107, 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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