

Converting Colors

$Y_{xy}(15.9834, 0.3488, 0.3266)$

Have a look what the booklet for
Yxy(15.9834, 0.3488, 0.3266)
contains.

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Color

Yxy(15.9691, 0.3486, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	83696A
RGB	131, 105, 106
RGB Percent	51%, 41%, 42%
CMY	0.4863, 0.5882, 0.5843
CMYK	0.00, 0.20, 0.19, 0.49
HSL	358°, 11%, 46%
HSV	358°, 20%, 51%
XYZ	17.0135, 15.9691, 15.8227
YIQ	112.8880, 15.1750, 5.8230

Conversions

Conversions Part 2

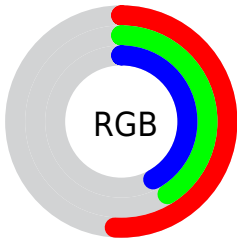
Format	Color
R_{YB}	131, 105, 106
Decimal	8612202
CIE _{Lab}	46.93, 10.52, 3.36
CIE _{LCh}	47, 11.044, 17.703
Yxy	15.9691, 0.3486, 0.3272
Android (android.graphics.Color)	4286802282 (0xFF83696A)
YUV	112.8880, -3.3958, 15.8842
Hunter-Lab	39.9614, 6.0639, 4.4971

Details

The Yxy color **15.9691, 0.3486, 0.3272** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.8481, 0.2852, 0.3308**, and the grayscale version is **16.4860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4016, 0.3398, 0.3277**, and **5.0912, 0.3649, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **13.2604, 0.3733, 0.3263**, and if you desaturate by 10%, it is **19.1288, 0.3286, 0.3281**.

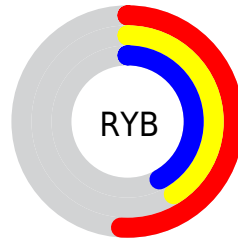
Distribution



Red (51%)

Green (41%)

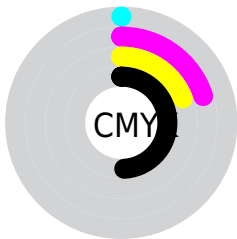
Blue (42%)



Red (51%)

Yellow (41%)

Blue (42%)

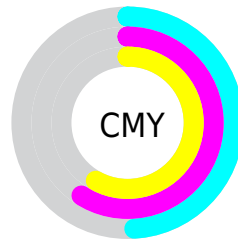


Cyan (0%)

Magenta (20%)

Yellow (19%)

Black (49%)



Cyan (49%)


Magenta (59%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9691, 0.3486, 0.3272 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 15.9691, 0.3486, 0.3272 by changing the saturation by 10% instead.


 15.9691, 0.3486,
0.3272


 15.9691, 0.3486,
0.3272


229.1593, 0.3274,
0.3285


 9.5023, 0.3555,
0.3267


 36.5446, 0.3399,
0.3278


 5.0702, 0.3656,
0.3258

 51.4220, 0.3369,
0.3280

 2.2885, 0.3818,
0.3242

 69.8717, 0.3346,
0.3281

 0.7676, 0.4209,
0.3248

 92.2782, 0.3326,
0.3282

 0.0000, 0.0000,
0.0000

119.0258, 0.3310,
0.3283

150.4990, 0.3296,

0.3284

187.0820, 0.3284,
0.3284

■ 15.9691, 0.3486,
0.3272

■ 15.9691, 0.3486,
0.3272

■ 13.2604, 0.3733,
0.3263

■ 19.1288, 0.3286,
0.3281

■ 10.9802, 0.4036,
0.3253

■ 22.7566, 0.3125,
0.3290

■ 9.1072, 0.4398,
0.3246

■ 26.8711, 0.2995,
0.3298

■ 7.6174, 0.4816,
0.3241

■ 31.4894, 0.2889,
0.3306

■ 6.4843, 0.5267,
0.3241

■ 36.6277, 0.2802,
0.3312

■ 5.6781, 0.5707,
0.3247

■ 42.3017, 0.2731,
0.3318

■ 5.1642, 0.6072,
0.3261

■ 48.5261, 0.2672,
0.3324

■ 4.8413, 0.6336,
0.3266

■ 55.3152, 0.2623,
0.3329

■ 4.8365, 0.6340,
0.3266

■ 62.6828, 0.2582,
0.3333

Harmonies

Analogous

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



15.9691, 0.3308, 0.3096



15.9691, 0.3486, 0.3272



15.9691, 0.3564, 0.3458

Triad

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



15.9691, 0.3486, 0.3272



15.9691, 0.3157, 0.3640



15.9691, 0.2745, 0.2965

Complementary

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



15.9691, 0.3486, 0.3272



20.8481, 0.2852, 0.3308

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.



15.9691, 0.2709, 0.3098



15.9691, 0.3486, 0.3272



15.9691, 0.2941, 0.3495

Square

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



15.9691, 0.3486, 0.3272



15.9691, 0.3369, 0.3680



15.9691, 0.2779, 0.3293



15.9691, 0.2881, 0.2921

Rectangle

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



15.9691, 0.3486, 0.3272



15.9691, 0.3549, 0.3566



15.9691, 0.2779, 0.3293



15.9691, 0.2721, 0.3000

Sweetspot

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



15.9698, 0.3486, 0.3272



36.5639, 0.3222, 0.3285



16.4647, 0.3132, 0.2816



8.4340, 0.3231, 0.3284



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.



15.9698, 0.3486, 0.3272



26.2157, 0.3596, 0.3268



18.4987, 0.3460, 0.3509



4.6914, 0.3274, 0.3282



4.7608, 0.6339, 0.3266



0.0167, 0.6071, 0.3118

Inverse Universe

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



15.9698, 0.3486, 0.3272



26.2157, 0.3596, 0.3268



17.9078, 0.2829, 0.3060



4.6914, 0.3274, 0.3282



4.7608, 0.6339, 0.3266



0.0167, 0.6071, 0.3118

Previews

White Background



This preview shows how the Yxy color 15.9691, 0.3486, 0.3272 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 15.9691, 0.3486, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

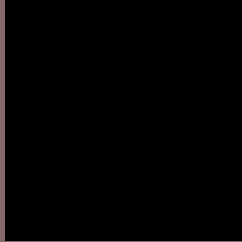
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9691, 0.3486, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 15.9691, 0.3486, 0.3272.

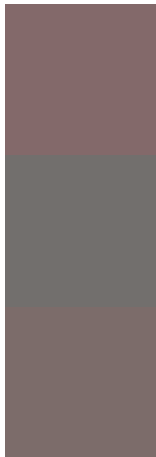


This preview shows how white text looks on a background with the Yxy color 15.9691, 0.3486, 0.3272.

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

15.9691, 0.3486, 0.3272

Protanopia

16.0504, 0.3192, 0.3331

Deuteranopia

16.0508, 0.3377, 0.3330



Tritanopia

15.9760, 0.3419, 0.3141

Trichromacy



Original Color

15.9691, 0.3486, 0.3272

Protanomaly

16.0131, 0.3291, 0.3310

Deuteranomaly

16.0680, 0.3422, 0.3310

Tritanomaly

15.9320, 0.3447, 0.3178

Monochromacy



Original Color

15.9691, 0.3486, 0.3272

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2707, 0.3263, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9691, 0.3486, 0.3272 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(131, 105, 106)` looks like.

```
.text, #text, p{  
    color:rgb(131, 105, 106)  
}
```

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(131, 105, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 105, 106) }
```

Border

The CSS property to change the border of an element to Yxy 15.9691, 0.3486, 0.3272 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(131, 105, 106) }
```

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

```
.border{ border-color:rgb(131, 105, 106) }
```

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

Here you see how a box with a 4 pixel rgb(131, 105, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 105, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 105, 106);  
box-shadow:4px 4px 4px 4px rgb(131, 105,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9691, 0.3486, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 105, 106) }
```

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

```
.background{ background-color: rgb(131,  
105, 106) }
```

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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