

Converting Colors

$Y_{xy}(15.7861, 0.3512, 0.3239)$

Have a look what the booklet for
Yxy(15.7861, 0.3512, 0.3239)
contains.

Yxy(15.7276, 0.3522, 0.3235)	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(15.7276, 0.3522, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	85676A
RGB	133, 103, 106
RGB Percent	52%, 40%, 42%
CMY	0.4785, 0.5960, 0.5843
CMYK	0.00, 0.23, 0.20, 0.48
HSL	354°, 13%, 46%
HSV	354°, 23%, 52%
XYZ	17.1229, 15.7276, 15.7665
YIQ	112.3120, 16.9170, 7.2930

Conversions

Conversions Part 2

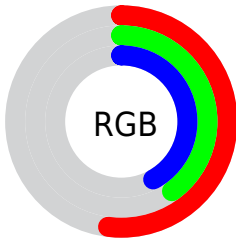
Format	Color
R_{YB}	133, 103, 106
Decimal	8742762
CIE _{Lab}	46.62, 12.50, 2.93
CIE _{LCh}	47, 12.837, 13.208
Yxy	15.7276, 0.3522, 0.3235
Android (android.graphics.Color)	4286932842 (0xFF85676A)
YUV	112.3120, -3.1118, 18.1434
Hunter-Lab	39.6580, 7.6683, 4.1892

Details

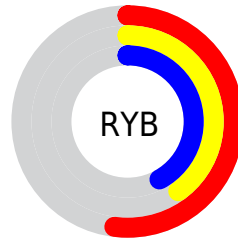
The Yxy color **15.7276, 0.3522, 0.3235** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2680, 0.2834, 0.3346**, and the grayscale version is **16.3052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1103, 0.3432, 0.3250**, and **4.9831, 0.3711, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **13.0576, 0.3766, 0.3209**, and if you desaturate by 10%, it is **18.8547, 0.3324, 0.3260**.

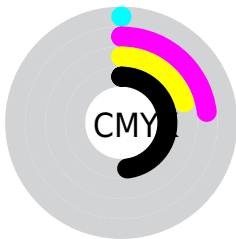
Distribution



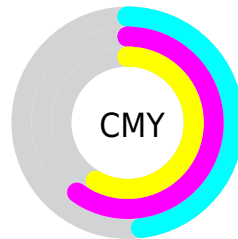
- Red (52%)
- Green (40%)
- Blue (42%)



- Red (52%)
- Yellow (40%)
- Blue (42%)



- Cyan (0%)
- Magenta (23%)
- Yellow (20%)
- Black (48%)





- Cyan (48%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7276, 0.3522, 0.3235 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 15.7276, 0.3522, 0.3235 by changing the saturation by 10% instead.


 15.7276, 0.3522,
0.3235

 15.7276, 0.3522,
0.3235


227.7289, 0.3288,
0.3270


 9.3316, 0.3598,
0.3223


 36.1247, 0.3426,
0.3250


 4.9581, 0.3710,
0.3204

 50.8945, 0.3393,
0.3255

 2.2227, 0.3890,
0.3170

 69.2244, 0.3367,
0.3258

 0.7323, 0.4330,
0.3135

 91.4988, 0.3346,
0.3262

 0.0000, 0.0000,
0.0000

118.1021, 0.3328,
0.3264

149.4186, 0.3313,

0.3266

185.8327, 0.3299,
0.3268

■ 15.7276, 0.3522,
0.3235

■ 15.7276, 0.3522,
0.3235

■ 13.0576, 0.3766,
0.3209

■ 18.8547, 0.3324,
0.3260

■ 10.8212, 0.4064,
0.3184

■ 22.4566, 0.3163,
0.3284

■ 8.9961, 0.4417,
0.3163


■ 26.5527, 0.3033,
0.3306


■ 7.5573, 0.4823,
0.3150


■ 31.1608, 0.2927,
0.3327


■ 6.4769, 0.5258,
0.3149


■ 36.2976, 0.2840,
0.3345

 5.7233, 0.5681,
0.3165


 41.9792, 0.2769,
0.3362

 5.2595, 0.6036,
0.3198

 48.2210, 0.2710,
0.3377

 5.0153, 0.6245,
0.3214

 55.0377, 0.2661,
0.3390

 62.4436, 0.2620,
0.3403

Harmonies

Analogous

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



15.7276, 0.3301, 0.3038



15.7276, 0.3522, 0.3235



15.7276, 0.3634, 0.3452

Triad

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



15.7276, 0.3522, 0.3235



15.7276, 0.3199, 0.3717



15.7276, 0.2669, 0.2927

Complementary

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



15.7276, 0.3522, 0.3235



21.2680, 0.2834, 0.3346

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.



15.7276, 0.2645, 0.3094



15.7276, 0.3522, 0.3235



15.7276, 0.2944, 0.3563

Square

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



15.7276, 0.3522, 0.3235



15.7276, 0.3442, 0.3742



15.7276, 0.2744, 0.3328



15.7276, 0.2810, 0.2862

Rectangle

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



15.7276, 0.3522, 0.3235



15.7276, 0.3630, 0.3584



15.7276, 0.2744, 0.3328



15.7276, 0.2647, 0.2972

Sweetspot

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



15.7283, 0.3522, 0.3235



37.1367, 0.3233, 0.3273



16.1405, 0.3112, 0.2747



8.3006, 0.3240, 0.3272



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.



15.7283, 0.3522, 0.3235



25.6461, 0.3640, 0.3222



18.2268, 0.3519, 0.3514



4.6957, 0.3265, 0.3269



4.7787, 0.6242, 0.3212



0.0170, 0.5633, 0.2877

Inverse Universe

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



15.7283, 0.3522, 0.3235



25.6461, 0.3640, 0.3222



18.2512, 0.2789, 0.3055



4.6957, 0.3265, 0.3269



4.7787, 0.6242, 0.3212



0.0170, 0.5633, 0.2877

Previews

White Background



This preview shows how the Yxy color 15.7276, 0.3522, 0.3235 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 15.7276, 0.3522, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

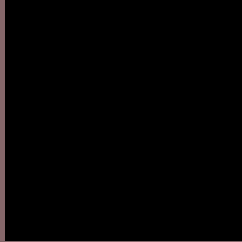
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7276, 0.3522, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 15.7276, 0.3522, 0.3235.



This preview shows how white text looks on a background with the Yxy color 15.7276, 0.3522, 0.3235.

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

15.7276, 0.3522, 0.3235

Protanopia

15.7884, 0.3168, 0.3290

Deuteranopia

15.7463, 0.3379, 0.3330



Tritanopia

15.6151, 0.3468, 0.3141

Trichromacy



Original Color

15.7276, 0.3522, 0.3235

Protanomaly

15.6126, 0.3282, 0.3251

Deuteranomaly

15.8400, 0.3439, 0.3310

Tritanomaly

15.5934, 0.3482, 0.3160

Monochromacy



Original Color

15.7276, 0.3522, 0.3235

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0561, 0.3265, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7276, 0.3522, 0.3235 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(133, 103, 106)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 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(133, 103, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 106) }
```

Border

The CSS property to change the border of an element to Yxy 15.7276, 0.3522, 0.3235 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(133, 103, 106) }
```

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

```
.border{ border-color:rgb(133, 103, 106) }
```

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

Here you see how a box with a 4 pixel rgb(133, 103, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 106);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7276, 0.3522, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 106) }
```

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

```
.background{ background-color: rgb(133,  
103, 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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