

Converting Colors

$Y_{xy}(15.7811, 0.3683, 0.3474)$

Have a look what the booklet for
Yxy(15.7811, 0.3683, 0.3474)
contains.

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Color

Yxy(15.7134, 0.3677, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	85685F
RGB	133, 104, 95
RGB Percent	52%, 41%, 37%
CMY	0.4784, 0.5921, 0.6274
CMYK	0.00, 0.22, 0.29, 0.48
HSL	14°, 17%, 45%
HSV	14°, 29%, 52%
XYZ	16.6892, 15.7134, 12.9856
YIQ	111.6450, 20.1730, 3.3490

Conversions

Conversions Part 2

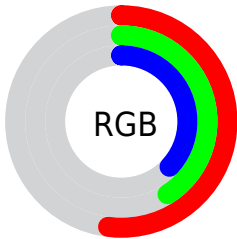
Format	Color
R_{YB}	133, 107, 95
Decimal	8743007
CIE Lab	46.60, 10.17, 9.48
CIE LCh	47, 13.906, 42.972
Yxy	15.7134, 0.3677, 0.3462
Android (android.graphics.Color)	4286933087 (0xFF85685F)
YUV	111.6450, -8.2060, 18.7283
Hunter-Lab	39.6401, 5.7817, 8.3255

Details

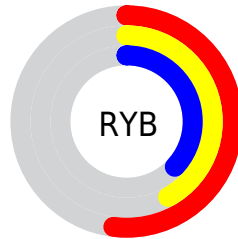
The Yxy color **15.7134, 0.3677, 0.3462** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.5478, 0.2711, 0.3110**, and the grayscale version is **16.1146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0518, 0.3550, 0.3428**, and **4.9418, 0.3924, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **13.5696, 0.3942, 0.3525**, and if you desaturate by 10%, it is **18.1462, 0.3452, 0.3399**.

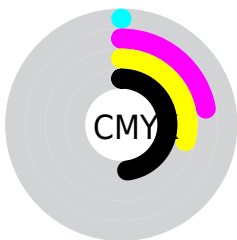
Distribution



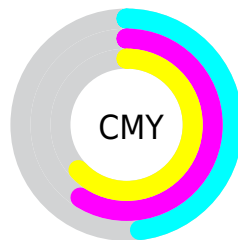
- Red (52%)
- Green (41%)
- Blue (37%)



- Red (52%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (22%)
- Yellow (29%)
- Black (48%)





- Cyan (48%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7134, 0.3677, 0.3462 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 15.7134, 0.3677, 0.3462 by changing the saturation by 10% instead.


 15.7134, 0.3677,
0.3462


 15.7134, 0.3677,
0.3462


227.6446, 0.3350,
0.3366


 9.3216, 0.3783,
0.3489


 36.0999, 0.3542,
0.3425


 4.9515, 0.3939,
0.3525

 50.8634, 0.3497,
0.3412

 2.2188, 0.4190,
0.3574

 69.1863, 0.3461,
0.3401

 0.7302, 0.5232,
0.4036

 91.4529, 0.3431,
0.3392

 0.0000, 0.0000,
0.0000

118.0476, 0.3406,
0.3384

149.3549, 0.3384,

0.3377

185.7591, 0.3366,
0.3371

■ 15.7134, 0.3677,
0.3462

■ 15.7134, 0.3677,
0.3462

■ 13.5696, 0.3942,
0.3525

■ 18.1462, 0.3452,
0.3399

■ 11.7018, 0.4251,
0.3585

■ 20.8761, 0.3264,
0.3339

■ 10.0993, 0.4600,
0.3634

■ 23.9134, 0.3106,
0.3282

■ 8.7496, 0.4979,
0.3665

■ 27.2675, 0.2974,
0.3230

■ 7.6396, 0.5364,
0.3668

■ 30.9472, 0.2862,
0.3182

■ 6.7544, 0.5718,
0.3634

■ 34.9611, 0.2768,
0.3139

■ 6.0736, 0.6019,
0.3575

■ 39.3172, 0.2689,
0.3099

■ 5.9896, 0.6062,
0.3569

■ 44.0237, 0.2621,
0.3063

■ 49.0881, 0.2562,
0.3030

Harmonies

Analogous

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



15.7134, 0.3554, 0.3228



15.7134, 0.3677, 0.3462



15.7134, 0.3644, 0.3666

Triad

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



15.7134, 0.3677, 0.3462



15.7134, 0.2931, 0.3588



15.7134, 0.2782, 0.2828

Complementary

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



15.7134, 0.3677, 0.3462



18.5478, 0.2711, 0.3110

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.



15.7134, 0.2631, 0.2898



15.7134, 0.3677, 0.3462



15.7134, 0.2714, 0.3333

Square

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



15.7134, 0.3677, 0.3462



15.7134, 0.3206, 0.3755



15.7134, 0.2607, 0.3078



15.7134, 0.3029, 0.2873

Rectangle

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



15.7134, 0.3677, 0.3462



15.7134, 0.3540, 0.3755



15.7134, 0.2607, 0.3078



15.7134, 0.2719, 0.2838

Sweetspot

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



15.7141, 0.3677, 0.3462



37.0506, 0.3275, 0.3342



14.6339, 0.3281, 0.2758



8.2024, 0.3297, 0.3350



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.



15.7141, 0.3677, 0.3462



25.6934, 0.3837, 0.3502



19.9469, 0.3586, 0.3803



4.8544, 0.3274, 0.3342



5.7166, 0.6058, 0.3572



0.0295, 0.5366, 0.4121

Inverse Universe

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



18.5478, 0.2711, 0.3110



31.5951, 0.2625, 0.3066



14.2615, 0.2672, 0.2717



5.0973, 0.2992, 0.3238



10.5942, 0.2037, 0.2531



0.0479, 0.2146, 0.2926

Previews

White Background



This preview shows how the Yxy color 15.7134, 0.3677, 0.3462 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 15.7134, 0.3677, 0.3462 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

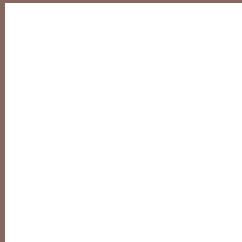
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.7134, 0.3677, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 15.7134, 0.3677, 0.3462.

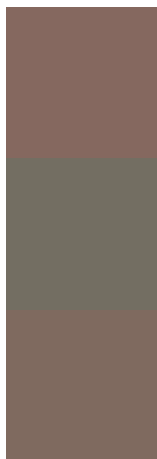


This preview shows how white text looks on a background with the Yxy color 15.7134, 0.3677, 0.3462.

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

15.7134, 0.3677, 0.3462

Protanopia

15.6785, 0.3350, 0.3537

Deuteranopia

15.6463, 0.3579, 0.3506



Tritanopia

15.7794, 0.3497, 0.3143

Trichromacy



Original Color

15.7134, 0.3677, 0.3462

Protanomaly

15.7258, 0.3470, 0.3510

Deuteranomaly

15.5965, 0.3613, 0.3485

Tritanomaly

15.7887, 0.3551, 0.3254

Monochromacy



Original Color

15.7134, 0.3677, 0.3462

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.9710, 0.3318, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7134, 0.3677, 0.3462 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, 104, 95)` looks like.

```
.text, #text, p{  
    color:rgb(133, 104, 95)  
}
```

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, 104, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 104, 95) }
```

Border

The CSS property to change the border of an element to Yxy 15.7134, 0.3677, 0.3462 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, 104, 95) }
```

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

```
.border{ border-color:rgb(133, 104, 95) }
```

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

Here you see how a box with a 4 pixel rgb(133, 104, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 104, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 104, 95);  
box-shadow:4px 4px 4px 4px rgb(133, 104,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7134, 0.3677, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 104, 95) }
```

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

```
.background{ background-color: rgb(133,  
104, 95) }
```

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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