

Converting Colors

$Y_{xy}(20.5679, 0.3489, 0.3711)$

Have a look what the booklet for
Yxy(20.5679, 0.3489, 0.3711)
contains.

Yxy(20.6131, 0.3494, 0.3711)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6131, 0.3494, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	857D66
RGB	133, 125, 102
RGB Percent	52%, 49%, 40%
CMY	0.4783, 0.5098, 0.6000
CMYK	0.00, 0.06, 0.23, 0.48
HSL	44°, 13%, 46%
HSV	44°, 23%, 52%
XYZ	19.4078, 20.6131, 15.5251
YIQ	124.7700, 12.1510, -5.4570

Conversions

Conversions Part 2

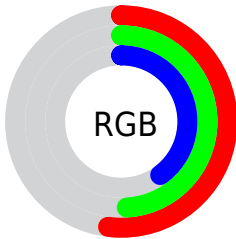
Format	Color
R_{YB}	113, 133, 102
Decimal	8748390
CIE Lab	52.52, -0.93, 13.66
CIE LCh	53, 13.690, 93.893
Yxy	20.6131, 0.3494, 0.3711
Android (android.graphics.Color)	4286938470 (0xFF857D66)
YUV	124.7700, -11.2256, 7.2177
Hunter-Lab	45.4017, -3.1499, 11.5069

Details

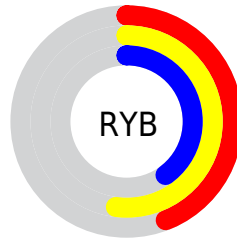
The Yxy color **20.6131, 0.3494, 0.3711** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6769, 0.2761, 0.2830**, and the grayscale version is **20.4636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5798, 0.3407, 0.3623**, and **7.2837, 0.3642, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **19.5142, 0.3669, 0.3897**, and if you desaturate by 10%, it is **21.7865, 0.3329, 0.3526**.

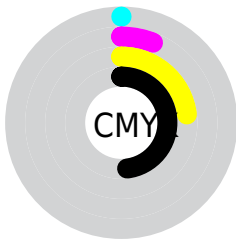
Distribution



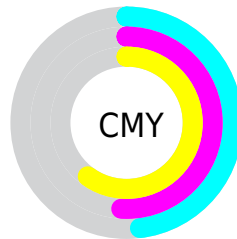
- Red (52%)
- Green (49%)
- Blue (40%)



- Red (44%)
- Yellow (52%)
- Blue (40%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (48%)





- Cyan (48%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6131, 0.3494, 0.3711 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 20.6131, 0.3494, 0.3711 by changing the saturation by 10% instead.


 20.6131, 0.3494,
0.3711


 20.6131, 0.3494,
0.3711


255.2151, 0.3287,
0.3472


 12.8415, 0.3555,
0.3782


 44.4427, 0.3412,
0.3616

 7.3195, 0.3641,
0.3882


 61.2695, 0.3383,
0.3583

 3.6627, 0.3768,
0.4032

 81.8835, 0.3360,
0.3556

 1.4867, 0.4036,
0.4344

 106.6691, 0.3340,
0.3533

 0.2794, 0.4650,
0.5350

136.0107, 0.3324,
0.3515

 0.0000, 0.0000,
0.0000

170.2926, 0.3310,

0.3498

209.8993, 0.3297,
0.3484

■ 20.6131, 0.3494,
0.3711

■ 20.6131, 0.3494,
0.3711

■ 19.5142, 0.3669,
0.3897

■ 21.7865, 0.3329,
0.3526

■ 18.4846, 0.3852,
0.4079

■ 23.0337, 0.3175,
0.3348

■ 17.5228, 0.4035,
0.4249

■ 24.3577, 0.3035,
0.3178

■ 16.6261, 0.4214,
0.4397

■ 25.7606, 0.2907,
0.3019

■ 15.7915, 0.4381,
0.4514

■ 27.2441, 0.2792,
0.2871

■ 15.0156, 0.4527,
0.4591

■ 28.8101, 0.2689,
0.2734

■ 14.2946, 0.4647,
0.4623

■ 30.4602, 0.2596,
0.2609

■ 13.8357, 0.4722,
0.4633

■ 32.1963, 0.2512,
0.2494

■ 34.0198, 0.2438,
0.2389

Harmonies

Analogous

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



20.6131, 0.3616, 0.3581



20.6131, 0.3494, 0.3711



20.6131, 0.3275, 0.3728

Triad

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



20.6131, 0.3494, 0.3711



20.6131, 0.2675, 0.3166



20.6131, 0.3218, 0.2996

Complementary

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



20.6131, 0.3494, 0.3711



15.6769, 0.2761, 0.2830

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.



20.6131, 0.2965, 0.2890



20.6131, 0.3494, 0.3711



20.6131, 0.2660, 0.2977

Square

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



20.6131, 0.3494, 0.3711



20.6131, 0.2805, 0.3402



20.6131, 0.2764, 0.2881



20.6131, 0.3454, 0.3173

Rectangle

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



20.6131, 0.3494, 0.3711



20.6131, 0.3107, 0.3665



20.6131, 0.2764, 0.2881



20.6131, 0.3132, 0.2951

Sweetspot

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



20.6140, 0.3494, 0.3711



40.3587, 0.3233, 0.3415



15.6226, 0.3464, 0.3136



9.0695, 0.3239, 0.3423



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.



20.6140, 0.3494, 0.3711



35.8379, 0.3586, 0.3810



22.1612, 0.3376, 0.3864



5.2245, 0.3263, 0.3450



13.1864, 0.4720, 0.4634



0.0575, 0.4434, 0.4861

Inverse Universe

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



15.6769, 0.2761, 0.2830



25.3908, 0.2669, 0.2709



14.4626, 0.2839, 0.2680



4.7262, 0.2992, 0.3125



2.7379, 0.1598, 0.0952



0.0199, 0.1806, 0.1702

Previews

White Background



This preview shows how the Yxy color 20.6131, 0.3494, 0.3711 looks on a white background.

Color Contrast Check

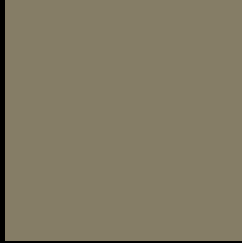
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.6131, 0.3494, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

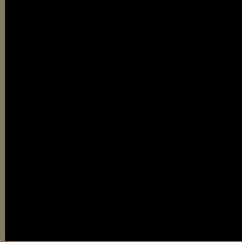
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6131, 0.3494, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 20.6131, 0.3494, 0.3711.



This preview shows how white text looks on a background with the Yxy color 20.6131, 0.3494, 0.3711.

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

20.6131, 0.3494, 0.3711

Protanopia

20.6131, 0.3494, 0.3711

Deuteranopia

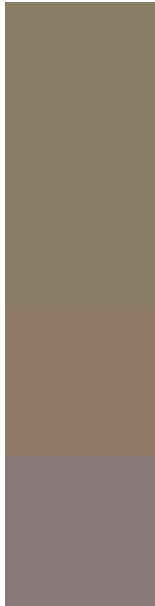
20.4320, 0.3660, 0.3588



Tritanopia

20.6318, 0.3209, 0.3116

Trichromacy



Original Color

20.6131, 0.3494, 0.3711

Protanomaly

20.6131, 0.3494, 0.3711

Deuteranomaly

20.5611, 0.3598, 0.3628

Tritanomaly

20.5094, 0.3325, 0.3326

Monochromacy



Original Color

20.6131, 0.3494, 0.3711

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5408, 0.3254, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6131, 0.3494, 0.3711 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, 125, 102)` looks like.

```
.text, #text, p{  
    color:rgb(133, 125, 102)  
}
```

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, 125, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 125, 102) }
```

Border

The CSS property to change the border of an element to Yxy 20.6131, 0.3494, 0.3711 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, 125, 102) }
```

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

```
.border{ border-color:rgb(133, 125, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 125, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 125, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 125, 102);  
box-shadow:4px 4px 4px 4px rgb(133, 125,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6131, 0.3494, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 125, 102) }
```

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

```
.background{ background-color: rgb(133,  
125, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor