

Converting Colors

$Y_{xy}(20.6979, 0.3477, 0.3551)$

Have a look what the booklet for
Yxy(20.6979, 0.3477, 0.3551)
contains.

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Color

Yxy(20.6733, 0.3481, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	8A7B6D
RGB	138, 123, 109
RGB Percent	54%, 48%, 43%
CMY	0.4589, 0.5176, 0.5726
CMYK	0.00, 0.11, 0.21, 0.46
HSL	29°, 12%, 48%
HSV	29°, 21%, 54%
XYZ	20.3230, 20.6733, 17.3864
YIQ	125.8890, 13.4340, -1.1740

Conversions

Conversions Part 2

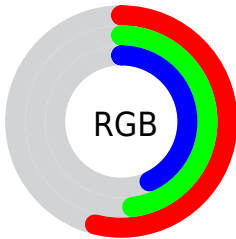
Format	Color
R_{YB}	138, 136, 109
Decimal	9075565
CIE _{Lab}	52.59, 3.34, 9.75
CIE _{LCh}	53, 10.311, 71.095
Yxy	20.6733, 0.3481, 0.3541
Android (android.graphics.Color)	4287265645 (0xFF8A7B6D)
YUV	125.8890, -8.3263, 10.6213
Hunter-Lab	45.4679, 0.2162, 9.1558

Details

The Yxy color **20.6733, 0.3481, 0.3541** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.4960, 0.2808, 0.3025**, and the grayscale version is **20.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4045, 0.3409, 0.3487**, and **7.3201, 0.3627, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **18.6946, 0.3685, 0.3668**, and if you desaturate by 10%, it is **22.8294, 0.3300, 0.3418**.

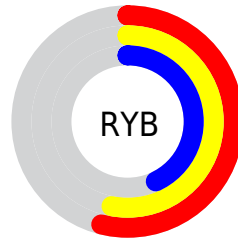
Distribution



Red (54%)

Green (48%)

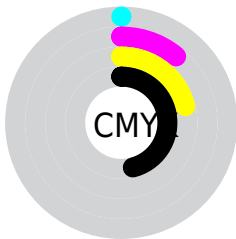
Blue (43%)



Red (54%)

Yellow (53%)

Blue (43%)

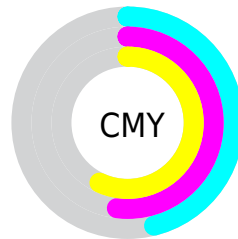


Cyan (0%)

Magenta (11%)

Yellow (21%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6733, 0.3481, 0.3541 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 20.6733, 0.3481, 0.3541 by changing the saturation by 10% instead.


 20.6733, 0.3481,
0.3541


 20.6733, 0.3481,
0.3541


255.5371, 0.3280,
0.3400


 12.8854, 0.3542,
0.3582


 44.5432, 0.3401,
0.3486

 7.3497, 0.3627,
0.3639


 61.3940, 0.3373,
0.3466

 3.6817, 0.3757,
0.3724

 82.0345, 0.3350,
0.3450

 1.4972, 0.3979,
0.3864

 106.8491, 0.3331,
0.3437

 0.2867, 0.5526,
0.4474

136.2223, 0.3315,
0.3426

 0.0000, 0.0000,
0.0000

170.5385, 0.3302,

0.3416

210.1819, 0.3290,
0.3408

■ 20.6733, 0.3481,
0.3541

■ 20.6733, 0.3481,
0.3541

■ 18.6946, 0.3685,
0.3668

■ 22.8294, 0.3300,
0.3418

■ 16.8856, 0.3914,
0.3794

■ 25.1649, 0.3142,
0.3301

■ 15.2421, 0.4165,
0.3912

■ 27.6850, 0.3004,
0.3192

■ 13.7587, 0.4432,
0.4015

■ 30.3942, 0.2883,
0.3091

■ 12.4293, 0.4707,
0.4091

■ 33.2965, 0.2778,
0.2998

■ 11.2478, 0.4974,
0.4128

■ 36.3959, 0.2686,
0.2912

■ 10.2071, 0.5218,
0.4117

■ 39.6964, 0.2606,
0.2834

■ 9.3788, 0.5421,
0.4078

■ 43.2017, 0.2535,
0.2762

■ 46.9155, 0.2473,
0.2697

Harmonies

Analogous

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



20.6733, 0.3495, 0.3402



20.6733, 0.3481, 0.3541



20.6733, 0.3370, 0.3618

Triad

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



20.6733, 0.3481, 0.3541



20.6733, 0.2853, 0.3333



20.6733, 0.3050, 0.2998

Complementary

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



20.6733, 0.3481, 0.3541



19.4960, 0.2808, 0.3025

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.



20.6733, 0.2884, 0.2974



20.6733, 0.3481, 0.3541



20.6733, 0.2773, 0.3160

Square

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



20.6733, 0.3481, 0.3541



20.6733, 0.3007, 0.3498



20.6733, 0.2784, 0.3031



20.6733, 0.3242, 0.3095

Rectangle

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



20.6733, 0.3481, 0.3541



20.6733, 0.3258, 0.3620



20.6733, 0.2784, 0.3031



20.6733, 0.2990, 0.2981

Sweetspot

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



20.6742, 0.3481, 0.3541



42.2175, 0.3220, 0.3360



17.8061, 0.3322, 0.3016



9.4198, 0.3229, 0.3367



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.6742, 0.3481, 0.3541



34.8312, 0.3570, 0.3598



24.4043, 0.3435, 0.3778



5.4214, 0.3269, 0.3396



8.6295, 0.5415, 0.4082



0.0864, 0.4796, 0.4574

Inverse Universe

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



19.4960, 0.2808, 0.3025



32.3847, 0.2737, 0.2961



16.2299, 0.2791, 0.2751



5.2917, 0.2991, 0.3182



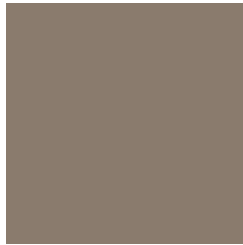
5.8802, 0.1800, 0.1678



0.0684, 0.2008, 0.2429

Previews

White Background



This preview shows how the Yxy color 20.6733, 0.3481, 0.3541 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 20.6733, 0.3481, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

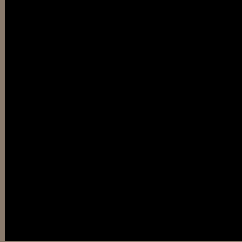
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6733, 0.3481, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 20.6733, 0.3481, 0.3541.



This preview shows how white text looks on a background with the Yxy color 20.6733, 0.3481, 0.3541.

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

20.6733, 0.3481, 0.3541

Protanopia

20.6183, 0.3373, 0.3565

Deuteranopia

20.6185, 0.3553, 0.3501



Tritanopia

20.6806, 0.3284, 0.3135

Trichromacy



Original Color

20.6733, 0.3481, 0.3541

Protanomaly

20.6094, 0.3414, 0.3544

Deuteranomaly

20.6859, 0.3524, 0.3520

Tritanomaly

20.6553, 0.3354, 0.3273

Monochromacy



Original Color

20.6733, 0.3481, 0.3541

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.7691, 0.3244, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6733, 0.3481, 0.3541 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(138, 123, 109)` looks like.

```
.text, #text, p{  
    color:rgb(138, 123, 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(138, 123, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 123, 109) }
```

Border

The CSS property to change the border of an element to Yxy 20.6733, 0.3481, 0.3541 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(138, 123, 109) }
```

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

```
.border{ border-color:rgb(138, 123, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 123, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 123, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 123, 109);  
box-shadow:4px 4px 4px 4px rgb(138, 123,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6733, 0.3481, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 123, 109) }
```

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

```
.background{ background-color: rgb(138,  
123, 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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