

Converting Colors

$Y_{xy}(20.5485, 0.3554, 0.3650)$

Have a look what the booklet for
Yxy(20.5485, 0.3554, 0.3650)
contains.

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Color

Yxy(20.5485, 0.3554, 0.3650)

Conversions

Conversions Part 1

Format	Color
Hex	8A7B67
RGB	138, 123, 103
RGB Percent	54%, 48%, 40%
CMY	0.4589, 0.5176, 0.5961
CMYK	0.00, 0.11, 0.25, 0.46
HSL	34°, 15%, 47%
HSV	34°, 25%, 54%
XYZ	20.0080, 20.5485, 15.7407
YIQ	125.2050, 15.3600, -3.0400

Conversions

Conversions Part 2

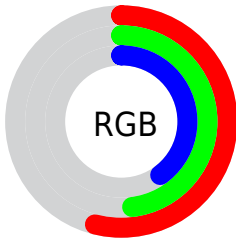
Format	Color
R _Y B	129, 138, 103
Decimal	9075559
CIE Lab	52.45, 2.38, 13.05
CIE LCh	52, 13.270, 79.649
Yxy	20.5485, 0.3554, 0.3650
Android (android.graphics.Color)	4287265639 (0xFF8A7B67)
YUV	125.2050, -10.9471, 11.2212
Hunter-Lab	45.3305, -0.5416, 11.1432

Details

The Yxy color **20.5485, 0.3554, 0.3650** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6604, 0.2735, 0.2901**, and the grayscale version is **20.6137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1995, 0.3461, 0.3566**, and **7.2578, 0.3742, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **18.8751, 0.3756, 0.3799**, and if you desaturate by 10%, it is **22.3577, 0.3371, 0.3503**.

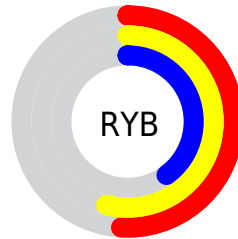
Distribution



Red (54%)

Green (48%)

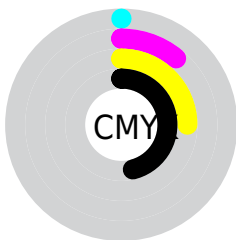
Blue (40%)



Red (51%)

Yellow (54%)

Blue (40%)

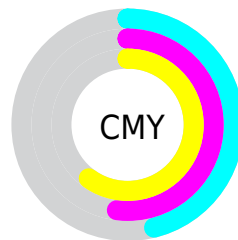


Cyan (0%)

Magenta (11%)

Yellow (25%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5485, 0.3554, 0.3650 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 20.5485, 0.3554, 0.3650 by changing the saturation by 10% instead.


 20.5485, 0.3554,
0.3650


 20.5485, 0.3554,
0.3650


254.8692, 0.3311,
0.3448

 12.7944, 0.3627,
0.3709


 44.3349, 0.3458,
0.3570

 7.2871, 0.3729,
0.3792


 61.1359, 0.3424,
0.3542

 3.6423, 0.3881,
0.3912

 81.7214, 0.3396,
0.3519

 1.4756, 0.4186,
0.4157

 106.4758, 0.3374,
0.3500

 0.2714, 0.5381,
0.4619

135.7833, 0.3354,
0.3484

 0.0000, 0.0000,
0.0000

170.0284, 0.3338,

0.3470

209.5956, 0.3324,
0.3458

■ 20.5485, 0.3554,
0.3650

■ 20.5485, 0.3554,
0.3650

■ 18.8751, 0.3756,
0.3799

■ 22.3577, 0.3371,
0.3503

■ 17.3309, 0.3974,
0.3943

■ 24.3034, 0.3207,
0.3362

■ 15.9128, 0.4206,
0.4076

■ 26.3901, 0.3062,
0.3229

■ 14.6165, 0.4443,
0.4188

■ 28.6209, 0.2933,
0.3105

■ 13.4374, 0.4676,
0.4267

■ 30.9991, 0.2819,
0.2990

■ 12.3703, 0.4891,
0.4302

■ 33.5276, 0.2719,
0.2884

■ 11.4085, 0.5080,
0.4290

■ 36.2095, 0.2630,
0.2786

■ 10.9909, 0.5167,
0.4279

■ 39.0476, 0.2552,
0.2697

■ 42.0445, 0.2483,
0.2615

Harmonies

Analogous

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



20.5485, 0.3612, 0.3487



20.5485, 0.3554, 0.3650



20.5485, 0.3380, 0.3723

Triad

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



20.5485, 0.3554, 0.3650



20.5485, 0.2735, 0.3277



20.5485, 0.3097, 0.2945

Complementary

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



20.5485, 0.3554, 0.3650



17.6604, 0.2735, 0.2901

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.



20.5485, 0.2868, 0.2884



20.5485, 0.3554, 0.3650



20.5485, 0.2666, 0.3064

Square

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



20.5485, 0.3554, 0.3650



20.5485, 0.2908, 0.3504



20.5485, 0.2713, 0.2925



20.5485, 0.3342, 0.3088

Rectangle

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



20.5485, 0.3554, 0.3650



20.5485, 0.3225, 0.3703



20.5485, 0.2713, 0.2925



20.5485, 0.3015, 0.2914

Sweetspot

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



20.5494, 0.3554, 0.3650



41.8683, 0.3252, 0.3401



16.4106, 0.3421, 0.3017



9.2859, 0.3273, 0.3420



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.



20.5494, 0.3554, 0.3650



34.6492, 0.3658, 0.3729



24.3509, 0.3468, 0.3904



5.4927, 0.3267, 0.3415



10.1112, 0.5163, 0.4283



0.0963, 0.4651, 0.4689

Inverse Universe

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



17.6604, 0.2735, 0.2901



28.7210, 0.2649, 0.2807



14.5553, 0.2737, 0.2604



5.2209, 0.2991, 0.3162



4.5776, 0.1720, 0.1393



0.0585, 0.1946, 0.2207

Previews

White Background



This preview shows how the Yxy color 20.5485, 0.3554, 0.3650 looks on a white background.

Color Contrast Check

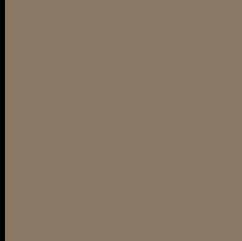
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5485, 0.3554, 0.3650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

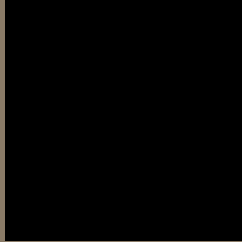
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

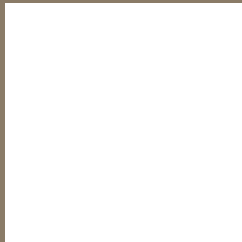
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.5485, 0.3554, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 20.5485, 0.3554, 0.3650.



This preview shows how white text looks on a background with the Yxy color 20.5485, 0.3554, 0.3650.

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

20.5485, 0.3554, 0.3650

Protanopia

20.5722, 0.3457, 0.3676

Deuteranopia

20.4522, 0.3647, 0.3570



Tritanopia

20.4414, 0.3286, 0.3118

Trichromacy



Original Color

20.5485, 0.3554, 0.3650

Protanomaly

20.4831, 0.3486, 0.3655

Deuteranomaly

20.4250, 0.3603, 0.3591

Tritanomaly

20.3645, 0.3381, 0.3291

Monochromacy



Original Color

20.5485, 0.3554, 0.3650

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4455, 0.3281, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5485, 0.3554, 0.3650 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(138, 123, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 123, 103) }
```

Border

The CSS property to change the border of an element to Yxy 20.5485, 0.3554, 0.3650 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, 103) }
```

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

```
.border{ border-color:rgb(138, 123, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 123, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 123, 103);  
box-shadow:4px 4px 4px 4px rgb(138, 123,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5485, 0.3554, 0.3650 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, 103) }
```

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

```
.background{ background-color: rgb(138,  
123, 103) }
```

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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