

Converting Colors

$Y_{xy}(20.1449, 0.3544, 0.3730)$

Have a look what the booklet for
Yxy(20.1449, 0.3544, 0.3730)
contains.

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Color

Yxy(20.1351, 0.3551, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	867B63
RGB	134, 123, 99
RGB Percent	53%, 48%, 39%
CMY	0.4744, 0.5177, 0.6118
CMYK	0.00, 0.08, 0.26, 0.47
HSL	41°, 15%, 46%
HSV	41°, 26%, 53%
XYZ	19.1688, 20.1351, 14.6776
YIQ	123.5530, 14.2600, -5.1320

Conversions

Conversions Part 2

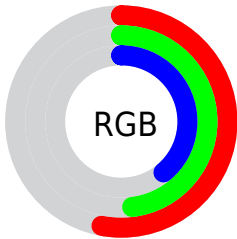
Format	Color
RYB	115, 134, 99
Decimal	8813411
CIELab	51.99, 0.16, 14.68
CIElCh	52, 14.676, 89.382
Yxy	20.1351, 0.3551, 0.3730
Android (android.graphics.Color)	4287003491 (0xFF867B63)
YUV	123.5530, -12.1046, 9.1620
Hunter-Lab	44.8722, -2.2733, 12.0169

Details

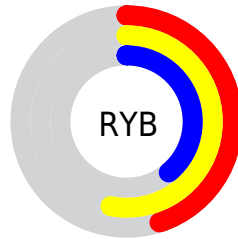
The Yxy color **20.1351, 0.3551, 0.3730** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5291, 0.2716, 0.2807**, and the grayscale version is **20.0380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5533, 0.3459, 0.3623**, and **7.0303, 0.3735, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **18.8765, 0.3737, 0.3904**, and if you desaturate by 10%, it is **21.4831, 0.3377, 0.3557**.

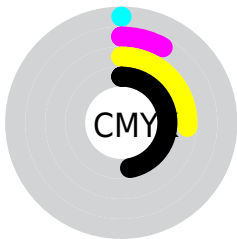
Distribution



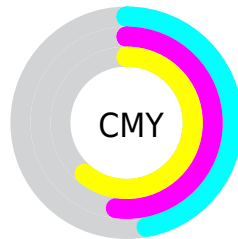
- Red (53%)
- Green (48%)
- Blue (39%)



- Red (45%)
- Yellow (53%)
- Blue (39%)



- Cyan (0%)
- Magenta (8%)
- Yellow (26%)
- Black (47%)





- Cyan (47%)
- Magenta (52%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1351, 0.3551, 0.3730 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 20.1351, 0.3551, 0.3730 by changing the saturation by 10% instead.


 20.1351, 0.3551,
0.3730


 20.1351, 0.3551,
0.3730


252.6456, 0.3310,
0.3480


 12.4933, 0.3623,
0.3804


 43.6436, 0.3455,
0.3631

 7.0806, 0.3723,
0.3908


 60.2790, 0.3422,
0.3596

 3.5125, 0.3872,
0.4062

 80.6811, 0.3395,
0.3568

 1.4048, 0.4236,
0.4439

 105.2343, 0.3372,
0.3545

 0.2203, 0.4919,
0.5081

134.3230, 0.3353,
0.3525

 0.0000, 0.0000,
0.0000

168.3314, 0.3337,

0.3508

207.6442, 0.3323,
0.3493

■ 20.1351, 0.3551,
0.3730

■ 20.1351, 0.3551,
0.3730

■ 18.8765, 0.3737,
0.3904

■ 21.4831, 0.3377,
0.3557

■ 17.7020, 0.3932,
0.4072

■ 22.9204, 0.3218,
0.3389

■ 16.6097, 0.4130,
0.4226

■ 24.4502, 0.3073,
0.3229

■ 15.5964, 0.4325,
0.4357

■ 26.0748, 0.2942,
0.3080

■ 14.6588, 0.4509,
0.4454

■ 27.7963, 0.2825,
0.2940

■ 13.7930, 0.4671,
0.4509

■ 29.6169, 0.2720,
0.2812

■ 12.9931, 0.4808,
0.4521

■ 31.5385, 0.2626,
0.2693

■ 12.6972, 0.4861,
0.4522

■ 33.5630, 0.2543,
0.2585

■ 35.6924, 0.2468,
0.2486

Harmonies

Analogous

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



20.1351, 0.3663, 0.3573



20.1351, 0.3551, 0.3730



20.1351, 0.3326, 0.3771

Triad

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



20.1351, 0.3551, 0.3730



20.1351, 0.2653, 0.3191



20.1351, 0.3183, 0.2950

Complementary

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



20.1351, 0.3551, 0.3730



15.5291, 0.2716, 0.2807

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.



20.1351, 0.2914, 0.2851



20.1351, 0.3551, 0.3730



20.1351, 0.2618, 0.2977

Square

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



20.1351, 0.3551, 0.3730



20.1351, 0.2810, 0.3449



20.1351, 0.2711, 0.2857



20.1351, 0.3446, 0.3131

Rectangle

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



20.1351, 0.3551, 0.3730



20.1351, 0.3146, 0.3718



20.1351, 0.2711, 0.2857



20.1351, 0.3090, 0.2907

Sweetspot

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



20.1360, 0.3551, 0.3730



39.8401, 0.3249, 0.3423



15.1195, 0.3491, 0.3084



8.8985, 0.3270, 0.3445



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.



20.1360, 0.3551, 0.3730



34.2165, 0.3653, 0.3827



22.5154, 0.3427, 0.3933



5.1824, 0.3264, 0.3438



11.9145, 0.4859, 0.4524



0.0544, 0.4500, 0.4809

Inverse Universe

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



15.5291, 0.2716, 0.2807



24.7680, 0.2621, 0.2687



13.6718, 0.2776, 0.2592



4.7661, 0.2992, 0.3137



3.1941, 0.1634, 0.1082



0.0230, 0.1857, 0.1884

Previews

White Background



This preview shows how the Yxy color 20.1351, 0.3551, 0.3730 looks on a white background.

Color Contrast Check

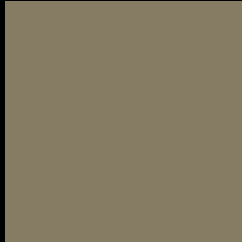
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1351, 0.3551, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

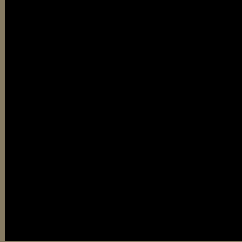
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1351, 0.3551, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 20.1351, 0.3551, 0.3730.



This preview shows how white text looks on a background with the Yxy color 20.1351, 0.3551, 0.3730.

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

20.1351, 0.3551, 0.3730

Protanopia

20.2217, 0.3520, 0.3751

Deuteranopia

20.0430, 0.3689, 0.3625



Tritanopia

20.1554, 0.3260, 0.3133

Trichromacy



Original Color

20.1351, 0.3551, 0.3730

Protanomaly

20.3027, 0.3533, 0.3749

Deuteranomaly

19.9285, 0.3631, 0.3649

Tritanomaly

20.0357, 0.3379, 0.3344

Monochromacy



Original Color

20.1351, 0.3551, 0.3730

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2423, 0.3279, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1351, 0.3551, 0.3730 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(134, 123, 99)` looks like.

```
.text, #text, p{  
    color:rgb(134, 123, 99)  
}
```

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(134, 123, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 123, 99) }
```

Border

The CSS property to change the border of an element to Yxy 20.1351, 0.3551, 0.3730 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(134, 123, 99) }
```

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

```
.border{ border-color:rgb(134, 123, 99) }
```

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

Here you see how a box with a 4 pixel rgb(134, 123, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 123, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 123, 99);  
box-shadow:4px 4px 4px 4px rgb(134, 123,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1351, 0.3551, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 123, 99) }
```

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

```
.background{ background-color: rgb(134,  
123, 99) }
```

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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