

Converting Colors

$Y_{xy}(20.5236, 0.3698, 0.4068)$

Have a look what the booklet for
Yxy(20.5236, 0.3698, 0.4068)
contains.

Yxy(20.5483, 0.3699, 0.4057)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5483, 0.3699, 0.4057)

Conversions

Conversions Part 1

Format	Color
Hex	857E54
RGB	133, 126, 84
RGB Percent	52%, 49%, 33%
CMY	0.4784, 0.5059, 0.6706
CMYK	0.00, 0.05, 0.37, 0.48
HSL	51°, 23%, 43%
HSV	51°, 37%, 52%
XYZ	18.7351, 20.5483, 11.3656
YIQ	123.3050, 17.6540, -11.5780

Conversions

Conversions Part 2

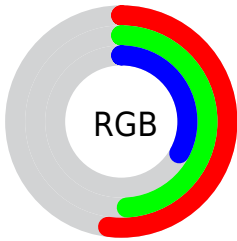
Format	Color
RYB	92, 133, 84
Decimal	8748628
CIELab	52.45, -4.06, 23.85
CIELCh	52, 24.194, 99.664
Yxy	20.5483, 0.3699, 0.4057
Android (android.graphics.Color)	4286938708 (0xFF857E54)
YUV	123.3050, -19.3774, 8.5025
Hunter-Lab	45.3302, -5.5535, 16.8654

Details

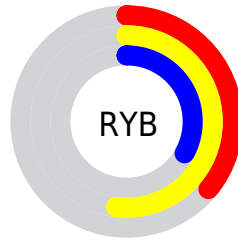
The Yxy color **20.5483, 0.3699, 0.4057** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.0621, 0.2506, 0.2384**, and the grayscale version is **19.9749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5262, 0.3576, 0.3891**, and **7.2415, 0.3902, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **19.8783, 0.3859, 0.4257**, and if you desaturate by 10%, it is **21.2690, 0.3537, 0.3848**.

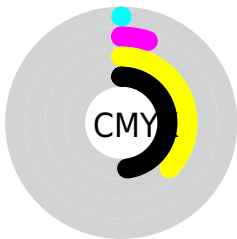
Distribution



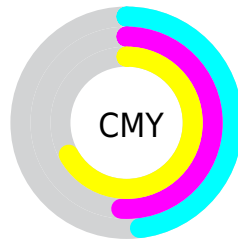
- Red (52%)
- Green (49%)
- Blue (33%)



- Red (36%)
- Yellow (52%)
- Blue (33%)



- Cyan (0%)
- Magenta (5%)
- Yellow (37%)
- Black (48%)





- Cyan (48%)
- Magenta (51%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5483, 0.3699, 0.4057 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 20.5483, 0.3699, 0.4057 by changing the saturation by 10% instead.


 20.5483, 0.3699,
0.4057


 20.5483, 0.3699,
0.4057


254.8681, 0.3381,
0.3621


 12.7942, 0.3788,
0.4185


 44.3346, 0.3576,
0.3885

 7.2870, 0.3908,
0.4361


 61.1355, 0.3532,
0.3824


 3.6422, 0.4070,
0.4612

 81.7209, 0.3495,
0.3775

 1.4755, 0.4621,
0.5379

 106.4752, 0.3465,
0.3734

 0.2714, 0.3691,
0.6309

 135.7826, 0.3439,
0.3699

 0.0000, 0.0000,
0.0000

170.0276, 0.3417,

0.3669

209.5947, 0.3398,
0.3644

■ 20.5483, 0.3699,
0.4057

■ 20.5483, 0.3699,
0.4057

■ 19.8783, 0.3859,
0.4257

■ 21.2690, 0.3537,
0.3848

■ 19.2539, 0.4012,
0.4438

■ 22.0398, 0.3378,
0.3636

■ 18.6735, 0.4152,
0.4592

■ 22.8635, 0.3226,
0.3428

■ 18.1342, 0.4272,
0.4711

■ 23.7420, 0.3083,
0.3228

■ 17.6330, 0.4367,
0.4789

■ 24.6770, 0.2950,
0.3039

■ 17.1637, 0.4440,
0.4829

■ 25.6702, 0.2828,
0.2862

■ 17.0188, 0.4462,
0.4839

■ 26.7233, 0.2717,
0.2699

■ 27.8376, 0.2616,
0.2549

■ 29.0147, 0.2525,
0.2411

Harmonies

Analogous

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



20.5483, 0.3965, 0.3834



20.5483, 0.3699, 0.4057



20.5483, 0.3289, 0.4066

Triad

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



20.5483, 0.3699, 0.4057



20.5483, 0.2329, 0.2980



20.5483, 0.3367, 0.2836

Complementary

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



20.5483, 0.3699, 0.4057



11.0621, 0.2506, 0.2384

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.



20.5483, 0.2917, 0.2633



20.5483, 0.3699, 0.4057



20.5483, 0.2345, 0.2691

Square

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



20.5483, 0.3699, 0.4057



20.5483, 0.2508, 0.3398



20.5483, 0.2551, 0.2576



20.5483, 0.3773, 0.3144

Rectangle

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



20.5483, 0.3699, 0.4057



20.5483, 0.2994, 0.3926



20.5483, 0.2551, 0.2576



20.5483, 0.3214, 0.2755

Sweetspot

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



20.5492, 0.3699, 0.4057



40.2759, 0.3292, 0.3519



12.0892, 0.3844, 0.3151



9.0366, 0.3309, 0.3542



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.



20.5492, 0.3699, 0.4057



35.8076, 0.3830, 0.4221



21.1212, 0.3445, 0.4237



5.3126, 0.3260, 0.3475



16.2168, 0.4461, 0.4840



0.0639, 0.4315, 0.4956

Inverse Universe

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



11.0621, 0.2506, 0.2384



16.3084, 0.2349, 0.2142



10.8096, 0.2709, 0.2290



4.6442, 0.2992, 0.3098



2.0654, 0.1541, 0.0747



0.0135, 0.1686, 0.1270

Previews

White Background



This preview shows how the Yxy color 20.5483, 0.3699, 0.4057 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 20.5483, 0.3699, 0.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

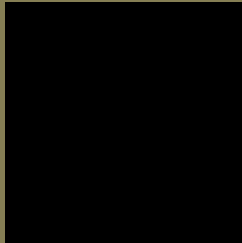
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5483, 0.3699, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 20.5483, 0.3699, 0.4057.



This preview shows how white text looks on a background with the Yxy color 20.5483, 0.3699, 0.4057.

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

20.5483, 0.3699, 0.4057

Protanopia

20.5416, 0.3744, 0.4030

Deuteranopia

20.5728, 0.3952, 0.3884



Tritanopia

20.4479, 0.3235, 0.3116

Trichromacy



Original Color

20.5483, 0.3699, 0.4057

Protanomaly

20.4582, 0.3731, 0.4033

Deuteranomaly

20.5042, 0.3858, 0.3936

Tritanomaly

20.3456, 0.3410, 0.3453

Monochromacy



Original Color

20.5483, 0.3699, 0.4057

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.0315, 0.3337, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5483, 0.3699, 0.4057 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, 126, 84)` looks like.

```
.text, #text, p{  
    color:rgb(133, 126, 84)  
}
```

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, 126, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 126, 84) }
```

Border

The CSS property to change the border of an element to Yxy 20.5483, 0.3699, 0.4057 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, 126, 84) }
```

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

```
.border{ border-color:rgb(133, 126, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 126, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 126, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 126, 84);  
box-shadow:4px 4px 4px 4px rgb(133, 126,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5483, 0.3699, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 126, 84) }
```

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

```
.background{ background-color: rgb(133,  
126, 84) }
```

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