

Converting Colors

$Y_{xy}(20.1443, 0.3768, 0.4134)$

Have a look what the booklet for
Yxy(20.1443, 0.3768, 0.4134)
contains.

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Color

Yxy(20.2183, 0.3761, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	857D4F
RGB	133, 125, 79
RGB Percent	52%, 49%, 31%
CMY	0.4785, 0.5098, 0.6901
CMYK	0.00, 0.06, 0.41, 0.48
HSL	51°, 25%, 42%
HSV	51°, 41%, 52%
XYZ	18.4163, 20.2183, 10.3319
YIQ	122.1480, 19.5340, -12.6100

Conversions

Conversions Part 2

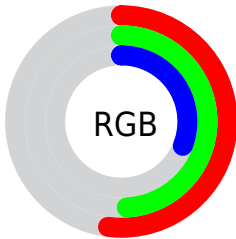
Format	Color
R_{YB}	88, 133, 79
Decimal	8748367
CIE Lab	52.08, -4.13, 26.16
CIE LCh	52, 26.486, 98.977
Yxy	20.2183, 0.3761, 0.4129
Android (android.graphics.Color)	4286938447 (0xFF857D4F)
YUV	122.1480, -21.2720, 9.5172
Hunter-Lab	44.9648, -5.5796, 17.8518

Details

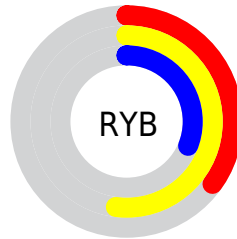
The Yxy color **20.2183, 0.3761, 0.4129** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.1712, 0.2436, 0.2280**, and the grayscale version is **19.5793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5941, 0.3625, 0.3933**, and **7.0725, 0.3991, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **19.5517, 0.3920, 0.4322**, and if you desaturate by 10%, it is **20.9353, 0.3598, 0.3923**.

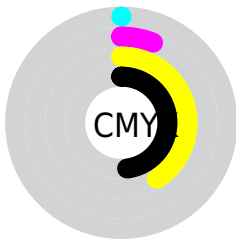
Distribution



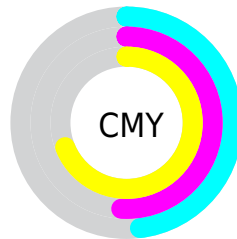
- Red (52%)
- Green (49%)
- Blue (31%)



- Red (35%)
- Yellow (52%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (41%)
- Black (48%)





- Cyan (48%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2183, 0.3761, 0.4129 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 20.2183, 0.3761, 0.4129 by changing the saturation by 10% instead.


 20.2183, 0.3761,
0.4129


 20.2183, 0.3761,
0.4129


253.0945, 0.3409,
0.3653


 12.5538, 0.3859,
0.4268


 43.7829, 0.3625,
0.3941


 7.1220, 0.3988,
0.4457


 60.4518, 0.3576,
0.3875


 3.5385, 0.4161,
0.4726

 80.8909, 0.3536,
0.3821

 1.4189, 0.4613,
0.5387

 105.4847, 0.3502,
0.3776

 0.2306, 0.3390,
0.6610

 134.6176, 0.3474,
0.3738

 0.0000, 0.0000,
0.0000

168.6739, 0.3449,

0.3706

208.0381, 0.3428,
0.3677

■ 20.2183, 0.3761,
0.4129

■ 20.2183, 0.3761,
0.4129

■ 19.5517, 0.3920,
0.4322

■ 20.9353, 0.3598,
0.3923

■ 18.9305, 0.4070,
0.4494

■ 21.7022, 0.3437,
0.3713

■ 18.3528, 0.4205,
0.4635

■ 22.5219, 0.3282,
0.3504

■ 17.8157, 0.4317,
0.4738

■ 23.3963, 0.3135,
0.3301

■ 17.3159, 0.4405,
0.4800

■ 24.3272, 0.2999,
0.3109

■ 16.8692, 0.4472,
0.4832

■ 25.3163, 0.2873,
0.2929

■ 26.3653, 0.2757,
0.2761

■ 27.4757, 0.2653,
0.2607

■ 28.6489, 0.2558,
0.2466

Harmonies

Analogous

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



20.2183, 0.4051, 0.3874



20.2183, 0.3761, 0.4129



20.2183, 0.3312, 0.4153

Triad

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



20.2183, 0.3761, 0.4129



20.2183, 0.2257, 0.2954



20.2183, 0.3378, 0.2788

Complementary

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



20.2183, 0.3761, 0.4129



10.1712, 0.2436, 0.2280

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.



20.2183, 0.2884, 0.2571



20.2183, 0.3761, 0.4129



20.2183, 0.2270, 0.2636

Square

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



20.2183, 0.3761, 0.4129



20.2183, 0.2455, 0.3417



20.2183, 0.2489, 0.2511



20.2183, 0.3831, 0.3119

Rectangle

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



20.2183, 0.3761, 0.4129



20.2183, 0.2989, 0.4003



20.2183, 0.2489, 0.2511



20.2183, 0.3210, 0.2700

Sweetspot

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



20.2192, 0.3761, 0.4129



40.0877, 0.3308, 0.3539



11.2696, 0.3950, 0.3137



8.9961, 0.3324, 0.3560



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.



20.2192, 0.3761, 0.4129



35.0765, 0.3913, 0.4314



20.9192, 0.3473, 0.4338



5.3089, 0.3260, 0.3474



16.0815, 0.4471, 0.4832



0.0636, 0.4320, 0.4952

Inverse Universe

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



10.1712, 0.2436, 0.2280



14.4343, 0.2251, 0.1994



9.8788, 0.2656, 0.2176



4.6475, 0.2992, 0.3099



2.0863, 0.1543, 0.0754



0.0138, 0.1692, 0.1290

Previews

White Background



This preview shows how the Yxy color 20.2183, 0.3761, 0.4129 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 20.2183, 0.3761, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

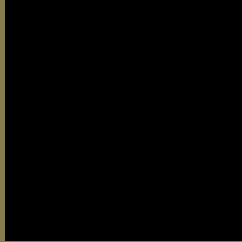
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2183, 0.3761, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 20.2183, 0.3761, 0.4129.



This preview shows how white text looks on a background with the Yxy color 20.2183, 0.3761, 0.4129.

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

20.2183, 0.3761, 0.4129

Protanopia

20.1307, 0.3795, 0.4105

Deuteranopia

20.1624, 0.4007, 0.3953



Tritanopia

20.1554, 0.3260, 0.3133

Trichromacy



Original Color

20.2183, 0.3761, 0.4129

Protanomaly

20.0481, 0.3781, 0.4109

Deuteranomaly

20.0936, 0.3912, 0.4007

Tritanomaly

20.0348, 0.3449, 0.3489

Monochromacy



Original Color

20.2183, 0.3761, 0.4129

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6421, 0.3362, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2183, 0.3761, 0.4129 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(133, 125, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 125, 79) }
```

Border

The CSS property to change the border of an element to Yxy 20.2183, 0.3761, 0.4129 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, 79) }
```

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

```
.border{ border-color:rgb(133, 125, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 125, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 125, 79);  
box-shadow:4px 4px 4px 4px rgb(133, 125,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2183, 0.3761, 0.4129 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, 79) }
```

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

```
.background{ background-color: rgb(133,  
125, 79) }
```

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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