

Converting Colors

$Y_{xy}(20.2626, 0.3879, 0.3894)$

Have a look what the booklet for
Yxy(20.2626, 0.3879, 0.3894)
contains.

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Color

Yxy(20.1246, 0.3873, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	917856
RGB	145, 120, 86
RGB Percent	57%, 47%, 34%
CMY	0.4314, 0.5294, 0.6627
CMYK	0.00, 0.17, 0.41, 0.43
HSL	35°, 26%, 45%
HSV	35°, 41%, 57%
XYZ	20.0728, 20.1246, 11.6301
YIQ	123.5990, 25.8140, -5.2740

Conversions

Conversions Part 2

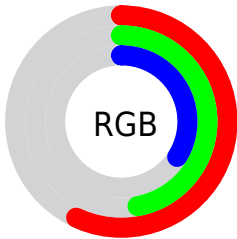
Format	Color
R_{YB}	129, 145, 86
Decimal	9533526
CIE _{Lab}	51.98, 4.75, 22.31
CIE _{LCh}	52, 22.809, 77.986
Yxy	20.1246, 0.3873, 0.3883
Android (android.graphics.Color)	4287723606 (0xFF917856)
YUV	123.5990, -18.5363, 18.7687
Hunter-Lab	44.8605, 1.3639, 16.0314

Details

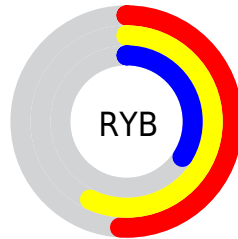
The Yxy color **20.1246, 0.3873, 0.3883** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3894, 0.2480, 0.2608**, and the grayscale version is **20.0723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5620, 0.3708, 0.3755**, and **7.1151, 0.4163, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **18.4846, 0.4099, 0.4024**, and if you desaturate by 10%, it is **21.9087, 0.3661, 0.3734**.

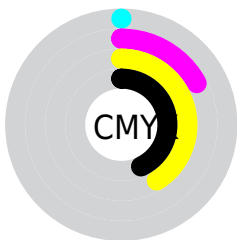
Distribution



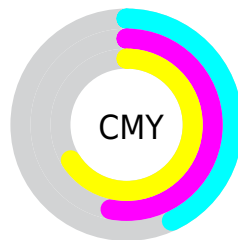
- Red (57%)
- Green (47%)
- Blue (34%)



- Red (51%)
- Yellow (57%)
- Blue (34%)



- Cyan (0%)
- Magenta (17%)
- Yellow (41%)
- Black (43%)





- Cyan (43%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1246, 0.3873, 0.3883 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 20.1246, 0.3873, 0.3883 by changing the saturation by 10% instead.


 20.1246, 0.3873,
0.3883


 20.1246, 0.3873,
0.3883


252.5889, 0.3450,
0.3555

 12.4856, 0.3997,
0.3974


 43.6260, 0.3706,
0.3756

 7.0753, 0.4167,
0.4096


 60.2572, 0.3647,
0.3711

 3.5093, 0.4411,
0.4260

 80.6546, 0.3599,
0.3673

 1.4030, 0.5163,
0.4837

 105.2027, 0.3559,
0.3642

 0.2190, 0.5967,
0.4033

 134.2857, 0.3526,
0.3615

 0.0000, 0.0000,
0.0000

168.2882, 0.3497,

0.3592

207.5944, 0.3472,
0.3572

■ 20.1246, 0.3873,
0.3883

■ 20.1246, 0.3873,
0.3883

■ 18.4846, 0.4099,
0.4024

■ 21.9087, 0.3661,
0.3734

■ 16.9813, 0.4335,
0.4148

■ 23.8384, 0.3468,
0.3584

■ 15.6104, 0.4570,
0.4243

■ 25.9187, 0.3293,
0.3438

■ 14.3667, 0.4794,
0.4300

■ 28.1537, 0.3137,
0.3299

■ 13.2438, 0.4994,
0.4309

■ 30.5470, 0.2999,
0.3169

■ 12.2945, 0.5162,
0.4284

■ 33.1023, 0.2877,
0.3047

■ 35.8229, 0.2769,
0.2935

■ 38.7123, 0.2674,
0.2832

■ 41.7736, 0.2590,
0.2738

Harmonies

Analogous

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



20.1246, 0.3970, 0.3586



20.1246, 0.3873, 0.3883



20.1246, 0.3573, 0.4044

Triad

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



20.1246, 0.3873, 0.3883



20.1246, 0.2473, 0.3277



20.1246, 0.3043, 0.2705

Complementary

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



20.1246, 0.3873, 0.3883



15.3894, 0.2480, 0.2608

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.



20.1246, 0.2663, 0.2609



20.1246, 0.3873, 0.3883



20.1246, 0.2352, 0.2905

Square

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



20.1246, 0.3873, 0.3883



20.1246, 0.2764, 0.3688



20.1246, 0.2419, 0.2673



20.1246, 0.3473, 0.2932

Rectangle

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



20.1246, 0.3873, 0.3883



20.1246, 0.3306, 0.4031



20.1246, 0.2419, 0.2673



20.1246, 0.2905, 0.2656

Sweetspot

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



20.1255, 0.3873, 0.3883



45.8192, 0.3319, 0.3461



13.8350, 0.3679, 0.2843



10.0984, 0.3338, 0.3477



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.1255, 0.3873, 0.3883



33.2932, 0.4084, 0.4015



26.5900, 0.3670, 0.4280



5.9077, 0.3268, 0.3417



10.5980, 0.5154, 0.4290



0.1451, 0.4646, 0.4693

Inverse Universe

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



15.3894, 0.2480, 0.2608



23.6018, 0.2327, 0.2417



10.8699, 0.2445, 0.2101



5.6070, 0.2990, 0.3160



4.7045, 0.1716, 0.1378



0.0871, 0.1944, 0.2196

Previews

White Background



This preview shows how the Yxy color 20.1246, 0.3873, 0.3883 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 20.1246, 0.3873, 0.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

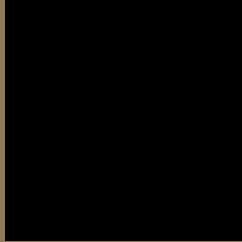
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1246, 0.3873, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 20.1246, 0.3873, 0.3883.



This preview shows how white text looks on a background with the Yxy color 20.1246, 0.3873, 0.3883.

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

20.1246, 0.3873, 0.3883

Protanopia

20.1882, 0.3677, 0.3949

Deuteranopia

20.1614, 0.3920, 0.3857



Tritanopia

20.1063, 0.3460, 0.3139

Trichromacy



Original Color

20.1246, 0.3873, 0.3883

Protanomaly

20.2573, 0.3748, 0.3937

Deuteranomaly

20.0686, 0.3907, 0.3860

Tritanomaly

20.1443, 0.3622, 0.3412

Monochromacy



Original Color

20.1246, 0.3873, 0.3883

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1972, 0.3392, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1246, 0.3873, 0.3883 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(145, 120, 86)` looks like.

```
.text, #text, p{  
    color:rgb(145, 120, 86)  
}
```

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(145, 120, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 120, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.1246, 0.3873, 0.3883 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(145, 120, 86) }
```

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

```
.border{ border-color:rgb(145, 120, 86) }
```

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

Here you see how a box with a 4 pixel rgb(145, 120, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 120, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 120, 86);  
box-shadow:4px 4px 4px 4px rgb(145, 120,  
86) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.1246, 0.3873, 0.3883$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 120, 86) }
```

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

```
.background{ background-color: rgb(145,  
120, 86) }
```

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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