

Converting Colors

$Y_{xy}(23.5099, 0.3679, 0.3891)$

Have a look what the booklet for
Yxy(23.5099, 0.3679, 0.3891)
contains.

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Color

Yxy(23.4766, 0.3686, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	928461
RGB	146, 132, 97
RGB Percent	57%, 52%, 38%
CMY	0.4273, 0.4824, 0.6196
CMYK	0.00, 0.10, 0.34, 0.43
HSL	43°, 20%, 48%
HSV	43°, 34%, 57%
XYZ	22.2683, 23.4766, 14.6683
YIQ	132.1960, 19.5790, -7.9170

Conversions

Conversions Part 2

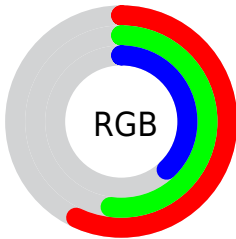
Format	Color
R_{YB}	117, 146, 97
Decimal	9602145
CIE _{Lab}	55.56, -0.21, 20.85
CIE _{LCh}	56, 20.853, 90.576
Yxy	23.4766, 0.3686, 0.3886
Android (android.graphics.Color)	4287792225 (0xFF928461)
YUV	132.1960, -17.3516, 12.1061
Hunter-Lab	48.4527, -2.7554, 15.9677

Details

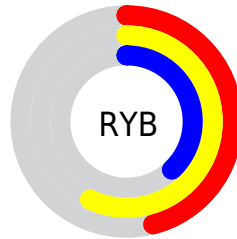
The Yxy color **23.4766, 0.3686, 0.3886** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9992, 0.2580, 0.2611**, and the grayscale version is **23.2095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2535, 0.3569, 0.3757**, and **8.8497, 0.3898, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **22.1177, 0.3875, 0.4063**, and if you desaturate by 10%, it is **24.9333, 0.3505, 0.3704**.

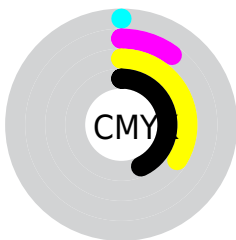
Distribution



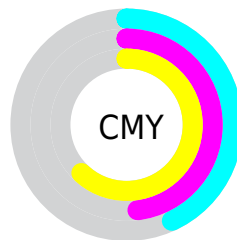
- Red (57%)
- Green (52%)
- Blue (38%)



- Red (46%)
- Yellow (57%)
- Blue (38%)



- Cyan (0%)
- Magenta (10%)
- Yellow (34%)
- Black (43%)




- Cyan (43%)
- Magenta (48%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4766, 0.3686, 0.3886 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 23.4766, 0.3686, 0.3886 by changing the saturation by 10% instead.


 23.4766, 0.3686,
0.3886


 23.4766, 0.3686,
0.3886


270.1636, 0.3377,
0.3556


 14.9458, 0.3773,
0.3979


 49.1747, 0.3566,
0.3758

 8.7814, 0.3891,
0.4105


 67.1109, 0.3524,
0.3713

 4.5989, 0.4056,
0.4282

 88.9509, 0.3489,
0.3675

 2.0139, 0.4393,
0.4644

 115.0793, 0.3459,
0.3644

 0.6155, 0.4851,
0.5149

145.8803, 0.3434,
0.3617

 0.0000, 0.0000,
0.0000

181.7384, 0.3412,

0.3594

223.0380, 0.3394,
0.3574

■ 23.4766, 0.3686,
0.3886

■ 23.4766, 0.3686,
0.3886

■ 22.1177, 0.3875,
0.4063

■ 24.9333, 0.3505,
0.3704

■ 20.8502, 0.4068,
0.4228

■ 26.4877, 0.3336,
0.3524

■ 19.6715, 0.4256,
0.4371

■ 28.1437, 0.3180,
0.3350

■ 18.5777, 0.4433,
0.4481

■ 29.9041, 0.3037,
0.3185

■ 17.5644, 0.4590,
0.4550

■ 31.7714, 0.2909,
0.3031

■ 16.6265, 0.4719,
0.4573

■ 33.7482, 0.2793,
0.2887

■ 16.0548, 0.4796,
0.4574

■ 35.8368, 0.2690,
0.2755

■ 38.0395, 0.2598,
0.2634

■ 40.3585, 0.2515,
0.2523

Harmonies

Analogous

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



23.4766, 0.3849, 0.3672



23.4766, 0.3686, 0.3886



23.4766, 0.3376, 0.3945

Triad

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



23.4766, 0.3686, 0.3886



23.4766, 0.2490, 0.3136



23.4766, 0.3213, 0.2848

Complementary

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



23.4766, 0.3686, 0.3886



15.9992, 0.2580, 0.2611

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.



23.4766, 0.2852, 0.2711



23.4766, 0.3686, 0.3886



23.4766, 0.2452, 0.2855

Square

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



23.4766, 0.3686, 0.3886



23.4766, 0.2689, 0.3491



23.4766, 0.2580, 0.2709



23.4766, 0.3570, 0.3087

Rectangle

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



23.4766, 0.3686, 0.3886



23.4766, 0.3132, 0.3870



23.4766, 0.2580, 0.2709



23.4766, 0.3088, 0.2789

Sweetspot

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



23.4777, 0.3686, 0.3886



47.6645, 0.3281, 0.3465



15.8287, 0.3650, 0.3034



10.5235, 0.3301, 0.3487



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.



23.4777, 0.3686, 0.3886



39.6421, 0.3822, 0.4015



26.6867, 0.3504, 0.4132



6.4667, 0.3266, 0.3447



14.1593, 0.4792, 0.4577



0.2238, 0.4466, 0.4836

Inverse Universe

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



15.9992, 0.2580, 0.2611



24.4715, 0.2451, 0.2435



13.7414, 0.2660, 0.2357



5.8876, 0.2989, 0.3128



3.3073, 0.1613, 0.1005



0.0858, 0.1832, 0.1794

Previews

White Background



This preview shows how the Yxy color 23.4766, 0.3686, 0.3886 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 23.4766, 0.3686, 0.3886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

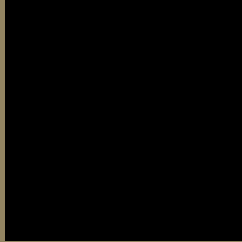
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4766, 0.3686, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 23.4766, 0.3686, 0.3886.



This preview shows how white text looks on a background with the Yxy color 23.4766, 0.3686, 0.3886.

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

23.4766, 0.3686, 0.3886

Protanopia

23.4778, 0.3643, 0.3910

Deuteranopia

23.4883, 0.3834, 0.3779



Tritanopia

23.5642, 0.3301, 0.3128

Trichromacy



Original Color

23.4766, 0.3686, 0.3886

Protanomaly

23.5674, 0.3656, 0.3908

Deuteranomaly

23.3547, 0.3778, 0.3804

Tritanomaly

23.4952, 0.3446, 0.3408

Monochromacy



Original Color

23.4766, 0.3686, 0.3886

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1528, 0.3327, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4766, 0.3686, 0.3886 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(146, 132, 97)` looks like.

```
.text, #text, p{  
    color:rgb(146, 132, 97)  
}
```

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(146, 132, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 132, 97) }
```

Border

The CSS property to change the border of an element to Yxy 23.4766, 0.3686, 0.3886 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(146, 132, 97) }
```

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

```
.border{ border-color:rgb(146, 132, 97) }
```

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

Here you see how a box with a 4 pixel rgb(146, 132, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 132, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 132, 97);  
box-shadow:4px 4px 4px 4px rgb(146, 132,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4766, 0.3686, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 132, 97) }
```

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

```
.background{ background-color: rgb(146,  
132, 97) }
```

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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