

Converting Colors

$Y_{xy}(19.9873, 0.3456, 0.3329)$

Have a look what the booklet for
Yxy(19.9873, 0.3456, 0.3329)
contains.

Yxy(19.9686, 0.3462, 0.3326)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9686, 0.3462, 0.3326)

Conversions

Conversions Part 1

Format	Color
Hex	8E7674
RGB	142, 118, 116
RGB Percent	56%, 46%, 45%
CMY	0.4432, 0.5372, 0.5451
CMYK	0.00, 0.17, 0.18, 0.44
HSL	5°, 10%, 51%
HSV	5°, 18%, 56%
XYZ	20.7851, 19.9686, 19.2842
YIQ	124.9480, 14.9460, 4.4660

Conversions

Conversions Part 2

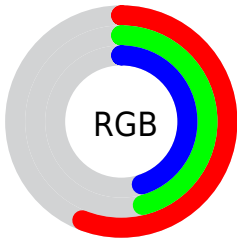
Format	Color
R_{YB}	142, 118, 116
Decimal	9336436
CIE _{Lab}	51.80, 8.99, 4.58
CIE _{LCh}	52, 10.089, 27.017
Yxy	19.9686, 0.3462, 0.3326
Android (android.graphics.Color)	4287526516 (0xFF8E7674)
YUV	124.9480, -4.4114, 14.9546
Hunter-Lab	44.6862, 4.8256, 5.6940

Details

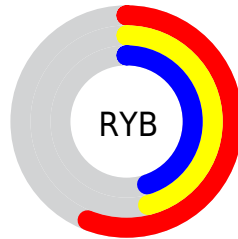
The Yxy color **19.9686, 0.3462, 0.3326** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4199, 0.2860, 0.3254**, and the grayscale version is **20.5015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3124, 0.3385, 0.3317**, and **7.0218, 0.3595, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **16.7882, 0.3705, 0.3347**, and if you desaturate by 10%, it is **23.6303, 0.3264, 0.3306**.

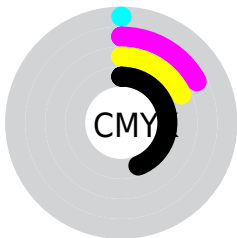
Distribution



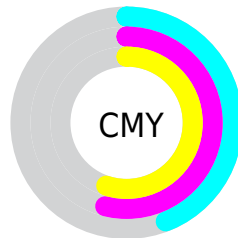
- Red (56%)
- Green (46%)
- Blue (45%)



- Red (56%)
- Yellow (46%)
- Blue (45%)



- Cyan (0%)
- Magenta (17%)
- Yellow (18%)
- Black (44%)





- Cyan (44%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9686, 0.3462, 0.3326 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 19.9686, 0.3462, 0.3326 by changing the saturation by 10% instead.

 19.9686, 0.3462,
0.3326


 19.9686, 0.3462,
0.3326


251.7451, 0.3270,
0.3308


 12.3722, 0.3521,
0.3331


 43.3645, 0.3385,
0.3319

 6.9977, 0.3604,
0.3336


 59.9329, 0.3358,
0.3317

 3.4607, 0.3733,
0.3343

 80.2607, 0.3337,
0.3315

 1.3767, 0.3954,
0.3349

104.7323, 0.3319,
0.3313

 0.1995, 0.6722,
0.3278

133.7322, 0.3304,
0.3311

 0.0000, 0.0000,
0.0000

167.6446, 0.3291,

0.3310

206.8542, 0.3280,
0.3309

■ 19.9686, 0.3462,
0.3326

■ 19.9686, 0.3462,
0.3326

■ 16.7882, 0.3705,
0.3347

■ 23.6303, 0.3264,
0.3306

■ 14.0665, 0.4001,
0.3369

■ 27.7893, 0.3102,
0.3287

■ 11.7832, 0.4354,
0.3388

■ 32.4643, 0.2970,
0.3270

■ 9.9153, 0.4761,
0.3403

■ 37.6720, 0.2862,
0.3254

■ 8.4378, 0.5203,
0.3409

■ 43.4285, 0.2773,
0.3240

■ 7.3230, 0.5640,
0.3403

■ 49.7492, 0.2699,
0.3227

■ 6.5395, 0.6015,
0.3383

■ 56.6490, 0.2637,
0.3216

■ 6.0469, 0.6285,
0.3359

■ 64.1420, 0.2585,
0.3206

■ 5.9874, 0.6325,
0.3360

■ 72.2421, 0.2541,
0.3196

Harmonies

Analogous

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



19.9686, 0.3334, 0.3169



19.9686, 0.3462, 0.3326



19.9686, 0.3497, 0.3479

Triad

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



19.9686, 0.3462, 0.3326



19.9686, 0.3094, 0.3555



19.9686, 0.2830, 0.2993

Complementary

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



19.9686, 0.3462, 0.3326



24.4199, 0.2860, 0.3254

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.



19.9686, 0.2771, 0.3086



19.9686, 0.3462, 0.3326



19.9686, 0.2920, 0.3413

Square

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



19.9686, 0.3462, 0.3326



19.9686, 0.3281, 0.3619



19.9686, 0.2803, 0.3239



19.9686, 0.2968, 0.2980

Rectangle

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



19.9686, 0.3462, 0.3326



19.9686, 0.3463, 0.3560



19.9686, 0.2803, 0.3239



19.9686, 0.2800, 0.3016

Sweetspot

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



19.9695, 0.3462, 0.3326



43.9225, 0.3208, 0.3300



20.1437, 0.3168, 0.2881



9.7121, 0.3219, 0.3301



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.9695, 0.3462, 0.3326



32.7854, 0.3557, 0.3335



23.1715, 0.3424, 0.3544



5.4866, 0.3279, 0.3307



5.3890, 0.6321, 0.3363



0.0621, 0.5977, 0.3636

Inverse Universe

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



24.4199, 0.2860, 0.3254



42.1442, 0.2802, 0.3245



20.9141, 0.2848, 0.3022



6.0463, 0.2990, 0.3272



16.3588, 0.2182, 0.3054



0.1701, 0.2217, 0.3179

Previews

White Background



This preview shows how the Yxy color 19.9686, 0.3462, 0.3326 looks on a white background.

Color Contrast Check

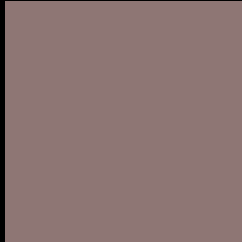
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9686, 0.3462, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

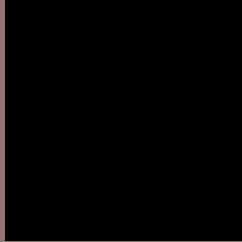
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9686, 0.3462, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 19.9686, 0.3462, 0.3326.



This preview shows how white text looks on a background with the Yxy color 19.9686, 0.3462, 0.3326.

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

19.9686, 0.3462, 0.3326

Protanopia

20.0099, 0.3222, 0.3364

Deuteranopia

19.9436, 0.3420, 0.3344



Tritanopia

20.0686, 0.3352, 0.3135

Trichromacy



Original Color

19.9686, 0.3462, 0.3326

Protanomaly

19.8883, 0.3300, 0.3345

Deuteranomaly

20.0301, 0.3433, 0.3344

Tritanomaly

19.9674, 0.3402, 0.3204

Monochromacy



Original Color

19.9686, 0.3462, 0.3326

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1495, 0.3239, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9686, 0.3462, 0.3326 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(142, 118, 116)` looks like.

```
.text, #text, p{  
    color:rgb(142, 118, 116)  
}
```

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(142, 118, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 118, 116) }
```

Border

The CSS property to change the border of an element to Yxy 19.9686, 0.3462, 0.3326 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(142, 118, 116) }
```

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

```
.border{ border-color:rgb(142, 118, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 118, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 118, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 118, 116);  
box-shadow:4px 4px 4px 4px rgb(142, 118,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9686, 0.3462, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 118, 116) }
```

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

```
.background{ background-color: rgb(142,  
118, 116) }
```

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