

Converting Colors

$Y_{xy}(22.3419, 0.3314, 0.3874)$

Have a look what the booklet for
Yxy(22.3419, 0.3314, 0.3874)
contains.

Yxy(22.4448, 0.3315, 0.3887)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4448, 0.3315, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	7A8767
RGB	122, 135, 103
RGB Percent	48%, 53%, 40%
CMY	0.5214, 0.4706, 0.5961
CMYK	0.10, 0.00, 0.24, 0.47
HSL	84°, 13%, 47%
HSV	84°, 24%, 53%
XYZ	19.1419, 22.4448, 16.1566
YIQ	127.4650, 2.5240, -12.7080

Conversions

Conversions Part 2

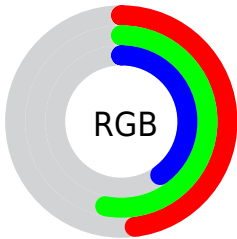
Format	Color
R_{YB}	103, 135, 116
Decimal	8030055
CIE _{Lab}	54.50, -10.78, 15.66
CIE _{LCh}	54, 19.014, 124.544
Y _{xy}	22.4448, 0.3315, 0.3887
Android (android.graphics.Color)	4286220135 (0xFF7A8767)
YUV	127.4650, -12.0612, -4.7928
Hunter-Lab	47.3759, -10.7863, 12.9436

Details

The Yxy color $22.4448, 0.3315, 0.3887$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.1615, 0.2903, 0.2680$, and the grayscale version is $21.4359, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.4135, 0.3282, 0.3750$, and $8.1990, 0.3375, 0.4124$ is the 20% darker color. If you saturate the color by 10%, you get $21.8080, 0.3390, 0.4161$, and if you desaturate by 10%, it is $23.1499, 0.3236, 0.3624$.

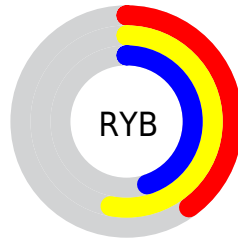
Distribution



Red (48%)

Green (53%)

Blue (40%)



Red (40%)

Yellow (53%)

Blue (45%)

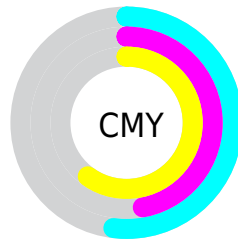


Cyan (10%)

Magenta (0%)

Yellow (24%)

Black (47%)



Cyan (52%)


Magenta (47%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4448, 0.3315, 0.3887 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 22.4448, 0.3315, 0.3887 by changing the saturation by 10% instead.


 22.4448, 0.3315,
0.3887


 22.4448, 0.3315,
0.3887


264.8604, 0.3214,
0.3545


 14.1841, 0.3342,
0.3991


 47.4801, 0.3277,
0.3750


 8.2488, 0.3377,
0.4138


 65.0234, 0.3263,
0.3703

 4.2546, 0.3423,
0.4361

 86.4298, 0.3251,
0.3664

 1.8170, 0.3511,
0.4775

 112.0835, 0.3242,
0.3632

 0.4977, 0.2966,
0.7034

142.3691, 0.3233,
0.3605

 0.0000, 0.0000,
0.0000

177.6708, 0.3226,

0.3582

218.3731, 0.3220,
0.3562

■ 22.4448, 0.3315,
0.3887

■ 22.4448, 0.3315,
0.3887

■ 21.8080, 0.3390,
0.4161

■ 23.1499, 0.3236,
0.3624

■ 21.2339, 0.3457,
0.4439

■ 23.9225, 0.3156,
0.3377

■ 20.7210, 0.3512,
0.4711

■ 24.7659, 0.3078,
0.3148

■ 20.2664, 0.3551,
0.4966

■ 25.6821, 0.3002,
0.2939

■ 19.8669, 0.3569,
0.5191

■ 26.6732, 0.2930,
0.2749

■ 19.5189, 0.3566,
0.5375

■ 27.7409, 0.2862,
0.2578

■ 19.2182, 0.3540,
0.5512

■ 28.8872, 0.2799,
0.2424

■ 19.0449, 0.3520,
0.5587

■ 30.1138, 0.2740,
0.2286

■ 31.4224, 0.2686,
0.2162

Harmonies

Analogous

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



22.4448, 0.3614, 0.3859



22.4448, 0.3315, 0.3887



22.4448, 0.2977, 0.3729

Triad

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



22.4448, 0.3315, 0.3887



22.4448, 0.2506, 0.2862



22.4448, 0.3574, 0.3136

Complementary

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



22.4448, 0.3315, 0.3887



15.1615, 0.2903, 0.2680

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.



22.4448, 0.3254, 0.2903



22.4448, 0.3315, 0.3887



22.4448, 0.2646, 0.2742

Square

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



22.4448, 0.3315, 0.3887



22.4448, 0.2522, 0.3109



22.4448, 0.2914, 0.2761



22.4448, 0.3773, 0.3414

Rectangle

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



22.4448, 0.3315, 0.3887



22.4448, 0.2774, 0.3540



22.4448, 0.2914, 0.2761



22.4448, 0.3476, 0.3051

Sweetspot

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



22.4458, 0.3315, 0.3887



42.3516, 0.3184, 0.3460



18.5748, 0.3543, 0.3527



9.7927, 0.3188, 0.3472



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.4458, 0.3315, 0.3887



39.6220, 0.3353, 0.4021



21.3825, 0.3133, 0.3922



5.3314, 0.3200, 0.3509



17.5713, 0.3522, 0.5586



0.0651, 0.3827, 0.5343

Inverse Universe

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



15.1615, 0.2903, 0.2680



24.4001, 0.2847, 0.2540



16.3398, 0.3111, 0.2717



4.6298, 0.3050, 0.3070



2.3616, 0.1882, 0.0810



0.0123, 0.2374, 0.1081

Previews

White Background



This preview shows how the Yxy color 22.4448, 0.3315, 0.3887 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 22.4448, 0.3315, 0.3887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

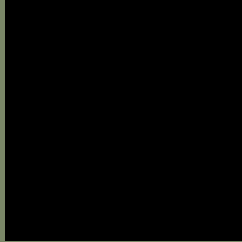
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4448, 0.3315, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 22.4448, 0.3315, 0.3887.



This preview shows how white text looks on a background with the Yxy color 22.4448, 0.3315, 0.3887.

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

22.4448, 0.3315, 0.3887

Protanopia

22.3938, 0.3562, 0.3802

Deuteranopia

22.2665, 0.3689, 0.3628



Tritanopia

22.3707, 0.2989, 0.3114

Trichromacy



Original Color

22.4448, 0.3315, 0.3887

Protanomaly

22.4484, 0.3468, 0.3831

Deuteranomaly

22.2754, 0.3544, 0.3730

Tritanomaly

22.3948, 0.3100, 0.3380

Monochromacy



Original Color

22.4448, 0.3315, 0.3887

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6332, 0.3199, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4448, 0.3315, 0.3887 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(122, 135, 103)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 103)  
}
```

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(122, 135, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 103) }
```

Border

The CSS property to change the border of an element to Yxy 22.4448, 0.3315, 0.3887 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(122, 135, 103) }
```

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

```
.border{ border-color:rgb(122, 135, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 135, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 103);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4448, 0.3315, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 103) }
```

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

```
.background{ background-color: rgb(122,  
135, 103) }
```

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