

Converting Colors

$Yxy(44.8231, 0.3126, 0.4256)$

Have a look what the booklet for
Yxy(44.8231, 0.3126, 0.4256)
contains.

Yxy(44.8758, 0.3128, 0.4250)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.8758, 0.3128, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	87C181
RGB	135, 193, 129
RGB Percent	53%, 76%, 51%
CMY	0.4704, 0.2432, 0.4942
CMYK	0.30, 0.00, 0.33, 0.24
HSL	114°, 34%, 63%
HSV	114°, 33%, 76%
XYZ	33.0286, 44.8758, 27.6857
YIQ	168.3620, -14.0240, -32.2000

Conversions

Conversions Part 2

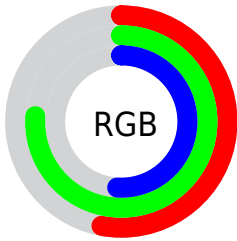
Format	Color
R_{YB}	129, 193, 187
Decimal	8896897
CIE _{Lab}	72.81, -31.28, 26.42
CIE _{LCh}	73, 40.941, 139.819
Yxy	44.8758, 0.3128, 0.4250
Android (android.graphics.Color)	4287086977 (0xFF87C181)
YUV	168.3620, -19.4055, -29.2585
Hunter-Lab	66.9894, -29.2235, 22.3889

Details

The Yxy color **44.8758, 0.3128, 0.4250** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.1055, 0.3103, 0.2461**, and the grayscale version is **39.4522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6958, 0.3140, 0.4065**, and **20.8688, 0.3106, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **43.0790, 0.3122, 0.4593**, and if you desaturate by 10%, it is **47.0113, 0.3131, 0.3926**.

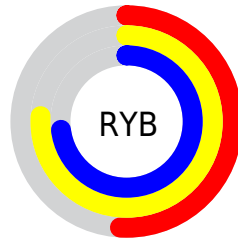
Distribution



Red (53%)

Green (76%)

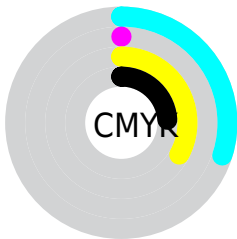
Blue (51%)



Red (51%)

Yellow (76%)

Blue (73%)

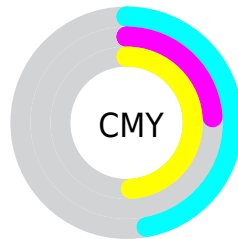


Cyan (30%)

Magenta (0%)

Yellow (33%)

Black (24%)



Cyan (47%)


Magenta (24%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8758, 0.3128, 0.4250 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 44.8758, 0.3128, 0.4250 by changing the saturation by 10% instead.

 44.8758, 0.3128,
0.4250


 44.8758, 0.3128,
0.4250


366.2703, 0.3142,
0.3743


 31.3596, 0.3119,
0.4385


 82.5340, 0.3137,
0.4060

 20.8728, 0.3104,
0.4562


 107.4448, 0.3139,
0.3990

 13.0311, 0.3077,
0.4806


 136.9226, 0.3140,
0.3932

 7.4500, 0.3026,
0.5160


171.3518, 0.3141,
0.3882

 3.7451, 0.2916,
0.5708

211.1168, 0.3142,
0.3840

 1.5320, 0.2761,
0.7239

256.6019, 0.3142,

 0.3111, 0.0000,

0.3803

1.0000

308.1916, 0.3142,
0.3771

0.0000, 0.0000,
0.0000

44.8758, 0.3128,
0.4250

44.8758, 0.3128,
0.4250

43.0790, 0.3122,
0.4593

47.0113, 0.3131,
0.3926

41.5981, 0.3111,
0.4940

49.4955, 0.3130,
0.3631

40.4164, 0.3096,
0.5270


52.3453, 0.3128,
0.3367

39.5134, 0.3077,
0.5559


55.5746, 0.3124,
0.3135


38.8659, 0.3055,
0.5781

59.1966, 0.3120,
0.2932

 38.4470, 0.3033,
0.5924

 63.2239, 0.3115,
0.2757

 38.2695, 0.3021,
0.5983

 66.6185, 0.3156,
0.2683

Harmonies

Analogous

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



44.8758, 0.3687, 0.4334



44.8758, 0.3128, 0.4250



44.8758, 0.2596, 0.3813

Triad

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



44.8758, 0.3128, 0.4250



44.8758, 0.2193, 0.2444



44.8758, 0.4106, 0.3240

Complementary

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



44.8758, 0.3128, 0.4250



30.1055, 0.3103, 0.2461

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.



44.8758, 0.3631, 0.2830



44.8758, 0.3128, 0.4250



44.8758, 0.2523, 0.2385

Square

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



44.8758, 0.3128, 0.4250



44.8758, 0.2091, 0.2726



44.8758, 0.3039, 0.2526



44.8758, 0.4285, 0.3690

Rectangle

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



44.8758, 0.3128, 0.4250



44.8758, 0.2326, 0.3419



44.8758, 0.3039, 0.2526



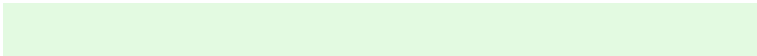
44.8758, 0.3974, 0.3096

Sweetspot

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



44.8777, 0.3128, 0.4250



90.1159, 0.3130, 0.3548



48.2912, 0.3645, 0.4034



19.1832, 0.3130, 0.3587



97.7402, 0.3127, 0.3290



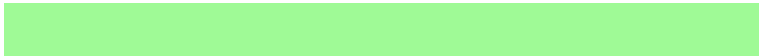
20.4902, 0.3127, 0.3290

Same Dimension

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



44.8777, 0.3128, 0.4250



77.9205, 0.3124, 0.4505



45.1577, 0.2908, 0.3862



11.3034, 0.3130, 0.3527



25.4708, 0.3025, 0.5980



1.1163, 0.3110, 0.5912

Inverse Universe

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



30.1055, 0.3103, 0.2461



47.2927, 0.3093, 0.2278



29.8394, 0.3436, 0.2782



10.1975, 0.3123, 0.3062



8.6220, 0.2975, 0.1412



0.3869, 0.3030, 0.1443

Previews

White Background



This preview shows how the Yxy color 44.8758, 0.3128, 0.4250 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 44.8758, 0.3128, 0.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

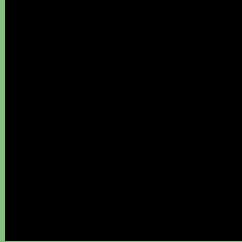
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8758, 0.3128, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 44.8758, 0.3128, 0.4250.

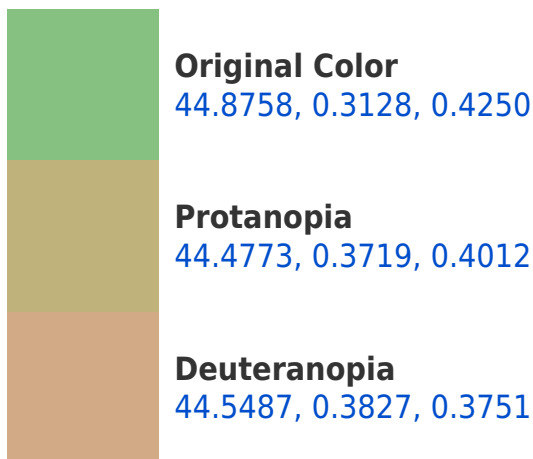


This preview shows how white text looks on a background with the Yxy color 44.8758, 0.3128, 0.4250.

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





Tritanopia

44.6075, 0.2729, 0.3084

Trichromacy



Original Color

44.8758, 0.3128, 0.4250

Protanomaly

44.0056, 0.3486, 0.4099

Deuteranomaly

43.9734, 0.3555, 0.3926

Tritanomaly

44.4363, 0.2873, 0.3475

Monochromacy



Original Color

44.8758, 0.3128, 0.4250

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.8453, 0.3129, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8758, 0.3128, 0.4250 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(135, 193, 129)` looks like.

```
.text, #text, p{  
    color:rgb(135, 193, 129)  
}
```

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(135, 193, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 193, 129) }
```

Border

The CSS property to change the border of an element to Yxy 44.8758, 0.3128, 0.4250 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(135, 193, 129) }
```

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

```
.border{ border-color:rgb(135, 193, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 193, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 193, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 193, 129); box-shadow:4px 4px 4px 4px rgb(135, 193, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8758, 0.3128, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 193, 129) }
```

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

```
.background{ background-color: rgb(135,  
193, 129) }
```

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