

Converting Colors

$Y_{xy}(23.7070, 0.3629, 0.4266)$

Have a look what the booklet for
Yxy(23.7070, 0.3629, 0.4266)
contains.

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Color

Yxy(23.7070, 0.3629, 0.4266)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 848A53 |
| RGB | 132, 138, 83 |
| RGB Percent | 52%, 54%, 33% |
| CMY | 0.4823, 0.4588, 0.6745 |
| CMYK | 0.04, 0.00, 0.40, 0.46 |
| HSL | 67°, 25%, 43% |
| HSV | 67°, 40%, 54% |
| XYZ | 20.1671, 23.7070, 11.6979 |
| YIQ | 129.9360, 14.0790, -18.3770 |

Conversions

Conversions Part 2

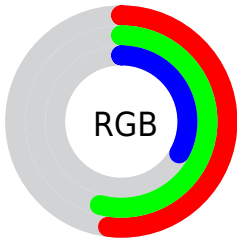
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 83, 138, 89 |
| Decimal | 8686163 |
| CIE Lab | 55.79, -11.23, 28.70 |
| CIE LCh | 56, 30.823, 111.372 |
| Yxy | 23.7070, 0.3629, 0.4266 |
| Android (android.graphics.Color) | 4286876243 (0xFF848A53) |
| YUV | 129.9360, -23.1394, 1.8101 |
| Hunter-Lab | 48.6898, -11.2735, 19.8383 |

Details

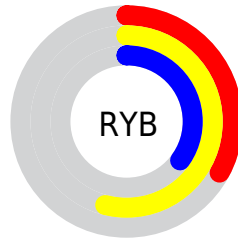
The Yxy color **23.7070, 0.3629, 0.4266** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.1464, 0.2493, 0.2144**, and the grayscale version is **22.3802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3942, 0.3535, 0.4050**, and **8.8562, 0.3779, 0.4647** is the 20% darker color. If you saturate the color by 10%, you get **23.3954, 0.3741, 0.4499**, and if you desaturate by 10%, it is **24.0649, 0.3507, 0.4020**.

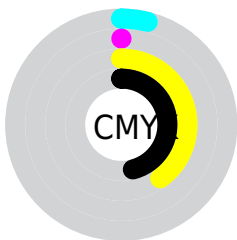
Distribution



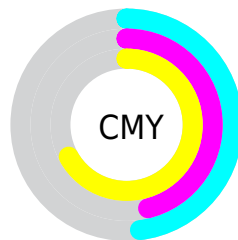
- Red (52%)
- Green (54%)
- Blue (33%)



- Red (33%)
- Yellow (54%)
- Blue (35%)



- Cyan (4%)
- Magenta (0%)
- Yellow (40%)
- Black (46%)





- Cyan (48%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7070, 0.3629, 0.4266 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 23.7070, 0.3629, 0.4266 by changing the saturation by 10% instead.


 23.7070, 0.3629,
0.4266


 23.7070, 0.3629,
0.4266


271.3358, 0.3364,
0.3716


 15.1164, 0.3696,
0.4425


 49.5516, 0.3531,
0.4050


 8.9011, 0.3779,
0.4642

 67.5745, 0.3494,
0.3974

 4.6767, 0.3878,
0.4949

 89.5102, 0.3464,
0.3911

 2.0589, 0.4238,
0.5762

 115.7432, 0.3437,
0.3859

 0.6413, 0.3434,
0.6566

 146.6579, 0.3415,
0.3815

 0.0000, 0.0000,
0.0000

182.6386, 0.3396,

0.3777

224.0698, 0.3379,
0.3744

■ 23.7070, 0.3629,
0.4266

■ 23.7070, 0.3629,
0.4266

■ 23.3954, 0.3741,
0.4499

■ 24.0649, 0.3507,
0.4020

■ 23.1243, 0.3837,
0.4709

■ 24.4683, 0.3380,
0.3771

■ 22.8921, 0.3914,
0.4889


■ 24.9204, 0.3251,
0.3524

■ 22.6955, 0.3967,
0.5030


■ 25.4231, 0.3125,
0.3287

■ 22.5310, 0.3996,
0.5130

■ 25.9785, 0.3004,
0.3062


 22.3880, 0.4007,
0.5199

 26.5882, 0.2890,
0.2852

 22.3859, 0.4008,
0.5200

 27.2541, 0.2783,
0.2659

 27.9777, 0.2685,
0.2482

 28.7607, 0.2594,
0.2321

Harmonies

Analogous

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



23.7070, 0.4039, 0.4065



23.7070, 0.3629, 0.4266



23.7070, 0.3104, 0.4164

Triad

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



23.7070, 0.3629, 0.4266



23.7070, 0.2154, 0.2747



23.7070, 0.3625, 0.2877

Complementary

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



23.7070, 0.3629, 0.4266



10.1464, 0.2493, 0.2144

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.



23.7070, 0.3075, 0.2584



23.7070, 0.3629, 0.4266



23.7070, 0.2262, 0.2490

Square

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



23.7070, 0.3629, 0.4266



23.7070, 0.2273, 0.3202



23.7070, 0.2584, 0.2443



23.7070, 0.4055, 0.3269

Rectangle

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



23.7070, 0.3629, 0.4266



23.7070, 0.2763, 0.3914



23.7070, 0.2584, 0.2443



23.7070, 0.3446, 0.2766

Sweetspot

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



23.7081, 0.3629, 0.4266



43.7268, 0.3282, 0.3583



13.0909, 0.4039, 0.3395



9.7881, 0.3296, 0.3609



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.



23.7081, 0.3629, 0.4266



41.2811, 0.3732, 0.4480



21.8051, 0.3308, 0.4378



5.8178, 0.3242, 0.3507



20.5285, 0.4008, 0.5199



0.1400, 0.4106, 0.5122

Inverse Universe

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



10.1464, 0.2493, 0.2144



13.8652, 0.2316, 0.1837



11.7359, 0.2854, 0.2251



4.9166, 0.3006, 0.3065



1.7793, 0.1551, 0.0628



0.0148, 0.1770, 0.0749

Previews

White Background



This preview shows how the Yxy color 23.7070, 0.3629, 0.4266 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 23.7070, 0.3629, 0.4266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

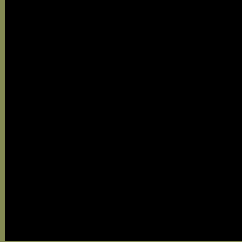
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7070, 0.3629, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 23.7070, 0.3629, 0.4266.



This preview shows how white text looks on a background with the Yxy color 23.7070, 0.3629, 0.4266.

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

23.7070, 0.3629, 0.4266

Protanopia

23.7553, 0.3847, 0.4180

Deuteranopia

23.6713, 0.4035, 0.3970



Tritanopia

23.6447, 0.3112, 0.3122

Trichromacy



Original Color

23.7070, 0.3629, 0.4266

Protanomaly

23.5999, 0.3768, 0.4200

Deuteranomaly

23.6267, 0.3879, 0.4086

Tritanomaly

23.6405, 0.3300, 0.3535

Monochromacy



Original Color

23.7070, 0.3629, 0.4266

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7926, 0.3319, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7070, 0.3629, 0.4266 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(132, 138, 83)` looks like.

```
.text, #text, p{  
    color:rgb(132, 138, 83)  
}
```

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(132, 138, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 138, 83) }
```

Border

The CSS property to change the border of an element to Yxy 23.7070, 0.3629, 0.4266 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(132, 138, 83) }
```

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

```
.border{ border-color:rgb(132, 138, 83) }
```

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

Here you see how a box with a 4 pixel rgb(132, 138, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 138, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 138, 83);  
box-shadow:4px 4px 4px 4px rgb(132, 138,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7070, 0.3629, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 138, 83) }
```

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

```
.background{ background-color: rgb(132,  
138, 83) }
```

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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