

Converting Colors

$Y_{xy}(23.7427, 0.3670, 0.4312)$

Have a look what the booklet for
Yxy(23.7427, 0.3670, 0.4312)
contains.

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Color

Yxy(23.7427, 0.3670, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	858A50
RGB	133, 138, 80
RGB Percent	52%, 54%, 31%
CMY	0.4785, 0.4588, 0.6862
CMYK	0.04, 0.00, 0.42, 0.46
HSL	65°, 27%, 43%
HSV	65°, 42%, 54%
XYZ	20.2077, 23.7427, 11.1115
YIQ	129.8930, 15.6380, -19.0980

Conversions

Conversions Part 2

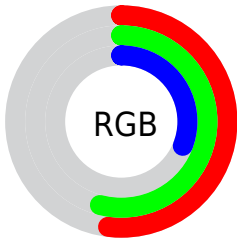
Format	Color
R_{YB}	80, 138, 85
Decimal	8751696
CIE _{Lab}	55.83, -11.19, 30.38
CIE _{LCh}	56, 32.376, 110.216
Yxy	23.7427, 0.3670, 0.4312
Android (android.graphics.Color)	4286941776 (0xFF858A50)
YUV	129.8930, -24.5972, 2.7248
Hunter-Lab	48.7265, -11.2443, 20.5882

Details

The Yxy color $23.7427, 0.3670, 0.4312$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $9.5098, 0.2436, 0.2067$, and the grayscale version is $22.3681, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.4381, 0.3567, 0.4087$, and $8.8831, 0.3833, 0.4700$ is the 20% darker color. If you saturate the color by 10%, you get $23.4634, 0.3783, 0.4537$, and if you desaturate by 10%, it is $24.0672, 0.3546, 0.4071$.

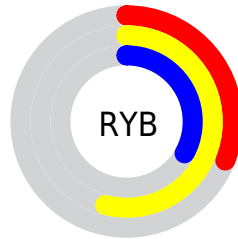
Distribution



Red (52%)

Green (54%)

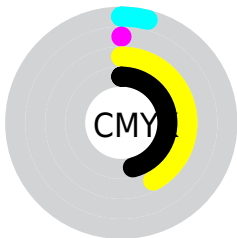
Blue (31%)



Red (31%)

Yellow (54%)

Blue (33%)

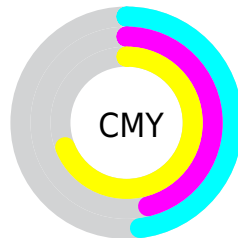


Cyan (4%)

Magenta (0%)

Yellow (42%)

Black (46%)



Cyan (48%)

Magenta (46%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7427, 0.3670, 0.4312 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 23.7427, 0.3670, 0.4312 by changing the saturation by 10% instead.


 23.7427, 0.3670,
0.4312


 23.7427, 0.3670,
0.4312


271.5171, 0.3384,
0.3737

 15.1429, 0.3741,
0.4477


 49.6100, 0.3564,
0.4087


 8.9197, 0.3829,
0.4700


 67.6462, 0.3525,
0.4007


 4.6889, 0.3931,
0.5012

 89.5968, 0.3492,
0.3942

 2.0659, 0.4241,
0.5759

 115.8459, 0.3464,
0.3887

 0.6453, 0.3452,
0.6548

 146.7782, 0.3439,
0.3841

 0.0000, 0.0000,
0.0000

182.7778, 0.3418,

0.3801

224.2293, 0.3400,
0.3767

■ 23.7427, 0.3670,
0.4312

■ 23.7427, 0.3670,
0.4312

■ 23.4634, 0.3783,
0.4537

■ 24.0672, 0.3546,
0.4071

■ 23.2234, 0.3879,
0.4738

■ 24.4360, 0.3415,
0.3823

■ 23.0211, 0.3955,
0.4905

■ 24.8523, 0.3283,
0.3577

■ 22.8530, 0.4007,
0.5033

■ 25.3183, 0.3153,
0.3337

■ 22.7153, 0.4034,
0.5119

■ 25.8359, 0.3027,
0.3109

■ 22.6181, 0.4046,
0.5170

■ 26.4068, 0.2909,
0.2895

■ 27.0329, 0.2798,
0.2698

■ 27.7156, 0.2695,
0.2516

■ 28.4568, 0.2600,
0.2351

Harmonies

Analogous

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



23.7427, 0.4094, 0.4086



23.7427, 0.3670, 0.4312



23.7427, 0.3122, 0.4223

Triad

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



23.7427, 0.3670, 0.4312



23.7427, 0.2111, 0.2734



23.7427, 0.3628, 0.2844

Complementary

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



23.7427, 0.3670, 0.4312



9.5098, 0.2436, 0.2067

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.



23.7427, 0.3049, 0.2544



23.7427, 0.3670, 0.4312



23.7427, 0.2215, 0.2459

Square

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



23.7427, 0.3670, 0.4312



23.7427, 0.2243, 0.3217



23.7427, 0.2541, 0.2404



23.7427, 0.4089, 0.3249

Rectangle

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



23.7427, 0.3670, 0.4312



23.7427, 0.2763, 0.3966



23.7427, 0.2541, 0.2404



23.7427, 0.3438, 0.2729

Sweetspot

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



23.7438, 0.3670, 0.4312



43.7037, 0.3300, 0.3607



12.4579, 0.4119, 0.3383



9.7693, 0.3326, 0.3655



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.



23.7438, 0.3670, 0.4312



41.3968, 0.3773, 0.4517



21.7129, 0.3326, 0.4439



5.8233, 0.3245, 0.3507



20.7382, 0.4046, 0.5169



0.1408, 0.4124, 0.5108

Inverse Universe

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



9.5098, 0.2436, 0.2067



12.9616, 0.2257, 0.1762



11.1433, 0.2821, 0.2187



4.9116, 0.3003, 0.3065



1.7570, 0.1539, 0.0622



0.0140, 0.1718, 0.0720

Previews

White Background



This preview shows how the Yxy color 23.7427, 0.3670, 0.4312 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 23.7427, 0.3670, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

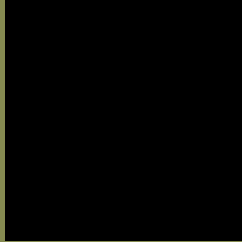
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7427, 0.3670, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 23.7427, 0.3670, 0.4312.



This preview shows how white text looks on a background with the Yxy color 23.7427, 0.3670, 0.4312.

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

23.7427, 0.3670, 0.4312

Protanopia

23.7112, 0.3878, 0.4226

Deuteranopia

23.7289, 0.4081, 0.4011



Tritanopia

23.7311, 0.3124, 0.3123

Trichromacy



Original Color

23.7427, 0.3670, 0.4312

Protanomaly

23.5552, 0.3798, 0.4248

Deuteranomaly

23.6759, 0.3924, 0.4129

Tritanomaly

23.7005, 0.3323, 0.3552

Monochromacy



Original Color

23.7427, 0.3670, 0.4312

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7702, 0.3330, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7427, 0.3670, 0.4312 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(133, 138, 80)` looks like.

```
.text, #text, p{  
    color:rgb(133, 138, 80)  
}
```

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(133, 138, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 138, 80) }
```

Border

The CSS property to change the border of an element to Yxy 23.7427, 0.3670, 0.4312 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(133, 138, 80) }
```

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

```
.border{ border-color:rgb(133, 138, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 138, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 138, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 138, 80);  
box-shadow:4px 4px 4px 4px rgb(133, 138,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7427, 0.3670, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 138, 80) }
```

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

```
.background{ background-color: rgb(133,  
138, 80) }
```

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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