

Converting Colors

$Y_{xy}(24.8853, 0.3109, 0.3850)$

Have a look what the booklet for
Yxy(24.8853, 0.3109, 0.3850)
contains.

Yxy(24.8063, 0.3112, 0.3844)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8063, 0.3112, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	739072
RGB	115, 144, 114
RGB Percent	45%, 56%, 45%
CMY	0.5489, 0.4353, 0.5530
CMYK	0.20, 0.00, 0.21, 0.44
HSL	118°, 12%, 51%
HSV	118°, 21%, 56%
XYZ	20.0825, 24.8063, 19.6437
YIQ	131.9090, -7.6540, -15.4780

Conversions

Conversions Part 2

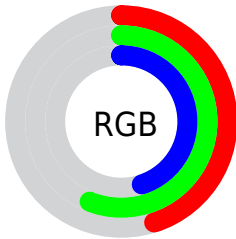
Format	Color
R_{YB}	114, 144, 143
Decimal	7573618
CIE _{Lab}	56.89, -16.36, 12.66
CIE _{LCh}	57, 20.685, 142.277
Yxy	24.8063, 0.3112, 0.3844
Android (android.graphics.Color)	4285763698 (0xFF739072)
YUV	131.9090, -8.8291, -14.8292
Hunter-Lab	49.8059, -15.1864, 11.4799

Details

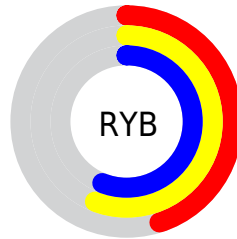
The Yxy color $24.8063, 0.3112, 0.3844$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.8799, 0.3138, 0.2789$, and the grayscale version is $23.0761, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.3568, 0.3115, 0.3719$, and $9.5570, 0.3090, 0.4083$ is the 20% darker color. If you saturate the color by 10%, you get $23.6323, 0.3102, 0.4157$, and if you desaturate by 10%, it is $26.1761, 0.3120, 0.3561$.

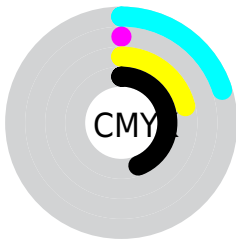
Distribution



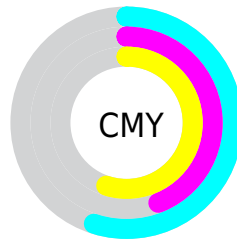
- Red (45%)
- Green (56%)
- Blue (45%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (21%)
- Black (44%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8063, 0.3112, 0.3844 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 24.8063, 0.3112, 0.3844 by changing the saturation by 10% instead.


 24.8063, 0.3112,
0.3844

 24.8063, 0.3112,
0.3844


276.8719, 0.3125,
0.3529


 15.9328, 0.3106,
0.3939


 51.3428, 0.3119,
0.3719

 9.4766, 0.3096,
0.4072


 69.7746, 0.3120,
0.3675

 5.0533, 0.3076,
0.4274

 92.1613, 0.3122,
0.3639

 2.2786, 0.3034,
0.4612

 118.8873, 0.3123,
0.3610

 0.7623, 0.2990,
0.7010

150.3369, 0.3124,
0.3585

 0.0000, 0.0000,
0.0000

186.8947, 0.3124,

0.3564

228.9449, 0.3125,
0.3545

■ 24.8063, 0.3112,
0.3844

■ 24.8063, 0.3112,
0.3844

■ 23.6323, 0.3102,
0.4157

■ 26.1761, 0.3120,
0.3561

■ 22.6423, 0.3090,
0.4493

■ 27.7468, 0.3127,
0.3310

■ 21.8277, 0.3076,
0.4839

■ 29.5270, 0.3132,
0.3090

■ 21.1785, 0.3061,
0.5175

■ 31.5243, 0.3136,
0.2899

■ 20.6833, 0.3045,
0.5478

■ 33.7454, 0.3139,
0.2735

■ 20.3293, 0.3030,
0.5723

■ 36.1971, 0.3141,
0.2593

■ 20.1018, 0.3016,
0.5892

■ 38.8857, 0.3142,
0.2471

■ 19.9785, 0.3010,
0.5992

■ 41.8174, 0.3143,
0.2365

■ 44.9980, 0.3144,
0.2274

Harmonies

Analogous

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



24.8063, 0.3463, 0.3930



24.8063, 0.3112, 0.3844



24.8063, 0.2778, 0.3578

Triad

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



24.8063, 0.3112, 0.3844



24.8063, 0.2543, 0.2748



24.8063, 0.3743, 0.3298

Complementary

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



24.8063, 0.3112, 0.3844



19.8799, 0.3138, 0.2789

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.



24.8063, 0.3469, 0.3020



24.8063, 0.3112, 0.3844



24.8063, 0.2774, 0.2710

Square

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



24.8063, 0.3112, 0.3844



24.8063, 0.2462, 0.2931



24.8063, 0.3110, 0.2810



24.8063, 0.3840, 0.3589

Rectangle

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



24.8063, 0.3112, 0.3844



24.8063, 0.2608, 0.3349



24.8063, 0.3110, 0.2810



24.8063, 0.3668, 0.3201

Sweetspot

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



24.8074, 0.3112, 0.3844



47.4322, 0.3123, 0.3438



26.6382, 0.3435, 0.3768



10.8417, 0.3123, 0.3453



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.8074, 0.3112, 0.3844



42.7462, 0.3108, 0.3987



25.0675, 0.2975, 0.3590



6.0378, 0.3121, 0.3517



17.4002, 0.3011, 0.5991



0.1678, 0.3063, 0.5950

Inverse Universe

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



19.8799, 0.3138, 0.2789



32.4507, 0.3140, 0.2674



19.5849, 0.3315, 0.3008



5.5016, 0.3132, 0.3073



6.5347, 0.3125, 0.1495



0.0644, 0.3170, 0.1520

Previews

White Background



This preview shows how the Yxy color 24.8063, 0.3112, 0.3844 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 24.8063, 0.3112, 0.3844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

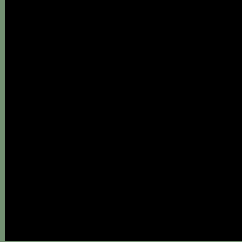
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8063, 0.3112, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 24.8063, 0.3112, 0.3844.



This preview shows how white text looks on a background with the Yxy color 24.8063, 0.3112, 0.3844.

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

24.8063, 0.3112, 0.3844

Protanopia

24.6634, 0.3499, 0.3733

Deuteranopia

24.5849, 0.3583, 0.3518



Tritanopia

24.7322, 0.2835, 0.3100

Trichromacy



Original Color

24.8063, 0.3112, 0.3844

Protanomaly

24.5995, 0.3349, 0.3784

Deuteranomaly

24.5320, 0.3398, 0.3633

Tritanomaly

24.7778, 0.2936, 0.3360

Monochromacy



Original Color

24.8063, 0.3112, 0.3844

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.5246, 0.3129, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8063, 0.3112, 0.3844 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(115, 144, 114)` looks like.

```
.text, #text, p{  
    color:rgb(115, 144, 114)  
}
```

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(115, 144, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 144, 114) }
```

Border

The CSS property to change the border of an element to Yxy 24.8063, 0.3112, 0.3844 is called "border". The border property can be set on classes, ids or directly on the HTML element.

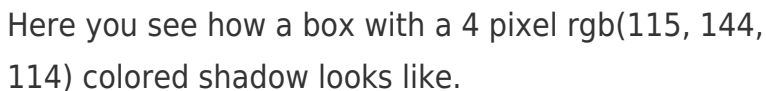
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 144, 114) }
```

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

```
.border{ border-color:rgb(115, 144, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 144, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 144, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 144, 114);  
box-shadow:4px 4px 4px 4px rgb(115, 144,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8063, 0.3112, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 144, 114) }
```

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

```
.background{ background-color: rgb(115,  
144, 114) }
```

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