

Converting Colors

$Y_{xy}(24.3185, 0.3110, 0.3831)$

Have a look what the booklet for
Yxy(24.3185, 0.3110, 0.3831)
contains.

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Color

Yxy(24.4146, 0.3111, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	728F71
RGB	114, 143, 113
RGB Percent	45%, 56%, 44%
CMY	0.5531, 0.4392, 0.5569
CMYK	0.20, 0.00, 0.21, 0.44
HSL	118°, 12%, 50%
HSV	118°, 21%, 56%
XYZ	19.7385, 24.4146, 19.2944
YIQ	130.9090, -7.6540, -15.4780

Conversions

Conversions Part 2

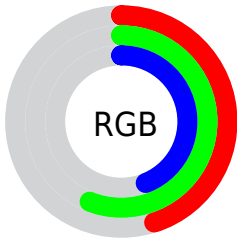
Format	Color
R_{YB}	113, 143, 142
Decimal	7507825
CIE _{Lab}	56.50, -16.41, 12.66
CIE _{LCh}	57, 20.728, 142.339
Y _{xy}	24.4146, 0.3111, 0.3848
Android (android.graphics.Color)	4285697905 (0xFF728F71)
YUV	130.9090, -8.8291, -14.8292
Hunter-Lab	49.4111, -15.1632, 11.4358

Details

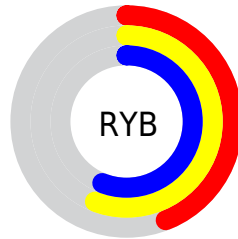
The Yxy color $24.4146, 0.3111, 0.3848$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.5490, 0.3139, 0.2786$, and the grayscale version is $22.6948, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.7561, 0.3115, 0.3721$, and $9.3342, 0.3090, 0.4091$ is the 20% darker color. If you saturate the color by 10%, you get $23.2597, 0.3101, 0.4161$, and if you desaturate by 10%, it is $25.7628, 0.3120, 0.3565$.

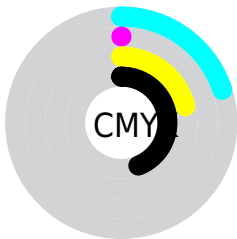
Distribution



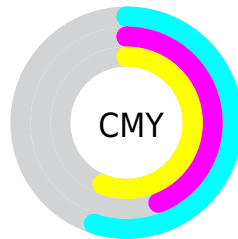
- Red (45%)
- Green (56%)
- Blue (44%)



- Red (44%)
- Yellow (56%)
- Blue (56%)



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




- Cyan (55%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4146, 0.3111, 0.3848 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 24.4146, 0.3111, 0.3848 by changing the saturation by 10% instead.


 24.4146, 0.3111,
0.3848


 24.4146, 0.3111,
0.3848


274.9099, 0.3125,
0.3530


 15.6415, 0.3105,
0.3944


 50.7059, 0.3118,
0.3721

 9.2708, 0.3094,
0.4080


 68.9929, 0.3120,
0.3677

 4.9182, 0.3074,
0.4285

 91.2199, 0.3121,
0.3641

 2.1994, 0.3030,
0.4632

 117.7714, 0.3122,
0.3611

 0.7196, 0.2826,
0.7174

149.0318, 0.3123,
0.3586

 0.0000, 0.0000,
0.0000

185.3854, 0.3124,

0.3565

227.2166, 0.3124,
0.3546

■ 24.4146, 0.3111,
0.3848

■ 24.4146, 0.3111,
0.3848

■ 23.2597, 0.3101,
0.4161

■ 25.7628, 0.3120,
0.3565

■ 22.2864, 0.3088,
0.4497

■ 27.3093, 0.3127,
0.3313

■ 21.4864, 0.3074,
0.4843

■ 29.0629, 0.3132,
0.3093

■ 20.8494, 0.3059,
0.5180

■ 31.0307, 0.3136,
0.2902

■ 20.3643, 0.3043,
0.5482

■ 33.2197, 0.3140,
0.2738

■ 20.0184, 0.3028,
0.5726

■ 35.6364, 0.3142,
0.2596

■ 19.7971, 0.3015,
0.5894

■ 38.2871, 0.3144,
0.2473

■ 19.6782, 0.3009,
0.5993

■ 41.1780, 0.3146,
0.2368

■ 44.3148, 0.3147,
0.2276

Harmonies

Analogous

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



24.4146, 0.3465, 0.3935



24.4146, 0.3111, 0.3848



24.4146, 0.2775, 0.3580

Triad

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



24.4146, 0.3111, 0.3848



24.4146, 0.2540, 0.2744



24.4146, 0.3748, 0.3298

Complementary

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



24.4146, 0.3111, 0.3848



19.5490, 0.3139, 0.2786

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.



24.4146, 0.3473, 0.3018



24.4146, 0.3111, 0.3848



24.4146, 0.2772, 0.2707

Square

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



24.4146, 0.3111, 0.3848



24.4146, 0.2458, 0.2927



24.4146, 0.3111, 0.2807



24.4146, 0.3845, 0.3591

Rectangle

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



24.4146, 0.3111, 0.3848



24.4146, 0.2603, 0.3349



24.4146, 0.3111, 0.2807



24.4146, 0.3672, 0.3200

Sweetspot

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



24.4156, 0.3111, 0.3848



47.4286, 0.3123, 0.3438



26.3826, 0.3435, 0.3779



10.8408, 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.



24.4156, 0.3111, 0.3848



42.7348, 0.3106, 0.3987



24.6918, 0.2969, 0.3582



6.0371, 0.3121, 0.3517



17.3977, 0.3010, 0.5992



0.1676, 0.3058, 0.5954

Inverse Universe

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



19.5490, 0.3139, 0.2786



32.4668, 0.3141, 0.2675



19.2360, 0.3323, 0.3015



5.5024, 0.3133, 0.3073



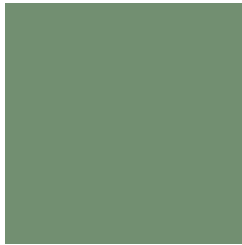
6.5648, 0.3131, 0.1499



0.0645, 0.3173, 0.1522

Previews

White Background



This preview shows how the Yxy color 24.4146, 0.3111, 0.3848 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 24.4146, 0.3111, 0.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

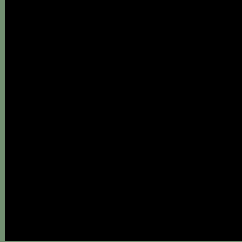
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4146, 0.3111, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 24.4146, 0.3111, 0.3848.



This preview shows how white text looks on a background with the Yxy color 24.4146, 0.3111, 0.3848.

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

24.4146, 0.3111, 0.3848

Protanopia

24.2717, 0.3502, 0.3735

Deuteranopia

24.1948, 0.3586, 0.3520



Tritanopia

24.3400, 0.2833, 0.3098

Trichromacy



Original Color

24.4146, 0.3111, 0.3848

Protanomaly

24.2083, 0.3351, 0.3787

Deuteranomaly

24.1412, 0.3399, 0.3635

Tritanomaly

24.3853, 0.2935, 0.3361

Monochromacy



Original Color

24.4146, 0.3111, 0.3848

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.1432, 0.3129, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4146, 0.3111, 0.3848 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(114, 143, 113)` looks like.

```
.text, #text, p{  
    color:rgb(114, 143, 113)  
}
```

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(114, 143, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 143, 113) }
```

Border

The CSS property to change the border of an element to Yxy 24.4146, 0.3111, 0.3848 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(114, 143, 113) }
```

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

```
.border{ border-color:rgb(114, 143, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 143, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 143, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 143, 113);  
box-shadow:4px 4px 4px 4px rgb(114, 143,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4146, 0.3111, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 143, 113) }
```

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

```
.background{ background-color: rgb(114,  
143, 113) }
```

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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