

Converting Colors

$Y_{xy}(25.3104, 0.3127, 0.3833)$

Have a look what the booklet for
Yxy(25.3104, 0.3127, 0.3833)
contains.

Yxy(25.3402, 0.3133, 0.3836)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.3402, 0.3133, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	769173
RGB	118, 145, 115
RGB Percent	46%, 57%, 45%
CMY	0.5371, 0.4314, 0.5490
CMYK	0.19, 0.00, 0.21, 0.43
HSL	114°, 12%, 51%
HSV	114°, 21%, 57%
XYZ	20.6963, 25.3402, 20.0225
YIQ	133.5070, -6.4620, -15.0540

Conversions

Conversions Part 2

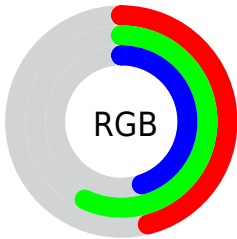
Format	Color
R _Y B	115, 145, 142
Decimal	7770483
CIE Lab	57.41, -15.60, 12.83
CIE LCh	57, 20.194, 140.559
Yxy	25.3402, 0.3133, 0.3836
Android (android.graphics.Color)	4285960563 (0xFF769173)
YUV	133.5070, -9.1240, -13.5996
Hunter-Lab	50.3391, -14.7053, 11.6546

Details

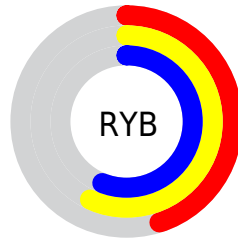
The Yxy color $25.3402, 0.3133, 0.3836$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.0544, 0.3113, 0.2788$, and the grayscale version is $23.6895, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.1829, 0.3131, 0.3715$, and $9.6759, 0.3122, 0.4043$ is the 20% darker color. If you saturate the color by 10%, you get $24.1827, 0.3132, 0.4144$, and if you desaturate by 10%, it is $26.6784, 0.3131, 0.3556$.

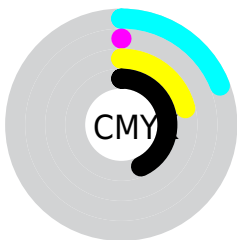
Distribution



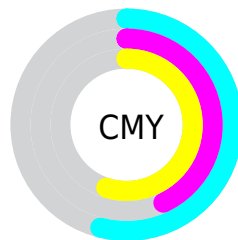
- Red (46%)
- Green (57%)
- Blue (45%)



- Red (45%)
- Yellow (57%)
- Blue (56%)



- Cyan (19%)
- Magenta (0%)
- Yellow (21%)
- Black (43%)





- Cyan (54%)
- Magenta (43%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3402, 0.3133, 0.3836 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 25.3402, 0.3133, 0.3836 by changing the saturation by 10% instead.


 25.3402, 0.3133,
0.3836


 25.3402, 0.3133,
0.3836


279.5279, 0.3134,
0.3527


 16.3307, 0.3130,
0.3928


 52.2086, 0.3135,
0.3713

 9.7585, 0.3125,
0.4058


 70.8363, 0.3135,
0.3670

 5.2391, 0.3113,
0.4253

 93.4388, 0.3135,
0.3636

 2.3882, 0.3084,
0.4576

120.4006, 0.3135,
0.3606

 0.8198, 0.3271,
0.6729

152.1060, 0.3135,
0.3582

 0.0000, 0.0000,
0.0000

188.9394, 0.3135,

0.3561

231.2853, 0.3135,
0.3543

■ 25.3402, 0.3133,
0.3836

■ 25.3402, 0.3133,
0.3836

■ 24.1827, 0.3132,
0.4144

■ 26.6784, 0.3131,
0.3556

■ 23.1951, 0.3128,
0.4474

■ 28.2012, 0.3127,
0.3306

■ 22.3704, 0.3120,
0.4814

■ 29.9164, 0.3123,
0.3086

■ 21.6997, 0.3107,
0.5145

■ 31.8305, 0.3117,
0.2894

■ 21.1734, 0.3090,
0.5446

■ 33.9494, 0.3111,
0.2727

■ 20.7808, 0.3069,
0.5693

■ 36.2791, 0.3104,
0.2583

■ 20.5096, 0.3046,
0.5868

■ 38.8252, 0.3098,
0.2457

■ 20.3474, 0.3030,
0.5976

■ 41.5930, 0.3092,
0.2349

■ 44.5879, 0.3086,
0.2254

Harmonies

Analogous

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



25.3402, 0.3471, 0.3909



25.3402, 0.3133, 0.3836



25.3402, 0.2805, 0.3587

Triad

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



25.3402, 0.3133, 0.3836



25.3402, 0.2552, 0.2771



25.3402, 0.3713, 0.3282

Complementary

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



25.3402, 0.3133, 0.3836



20.0544, 0.3113, 0.2788

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.



25.3402, 0.3440, 0.3014



25.3402, 0.3133, 0.3836



25.3402, 0.2769, 0.2725

Square

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



25.3402, 0.3133, 0.3836



25.3402, 0.2482, 0.2956



25.3402, 0.3091, 0.2815



25.3402, 0.3818, 0.3565

Rectangle

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



25.3402, 0.3133, 0.3836



25.3402, 0.2635, 0.3367



25.3402, 0.3091, 0.2815



25.3402, 0.3637, 0.3188

Sweetspot

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



25.3413, 0.3133, 0.3836



48.9829, 0.3130, 0.3438



26.4528, 0.3439, 0.3733



10.8632, 0.3130, 0.3452



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.



25.3413, 0.3133, 0.3836



44.3440, 0.3133, 0.3982



25.4132, 0.2994, 0.3624



6.0539, 0.3131, 0.3516



17.4608, 0.3032, 0.5975



0.1711, 0.3177, 0.5860

Inverse Universe

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



20.0544, 0.3113, 0.2788



33.0465, 0.3108, 0.2668



19.9899, 0.3288, 0.2978



5.4837, 0.3122, 0.3072



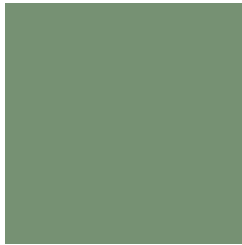
5.8514, 0.2962, 0.1405



0.0611, 0.3092, 0.1477

Previews

White Background



This preview shows how the Yxy color 25.3402, 0.3133, 0.3836 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 25.3402, 0.3133, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

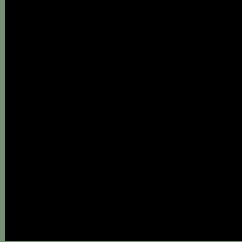
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3402, 0.3133, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 25.3402, 0.3133, 0.3836.



This preview shows how white text looks on a background with the Yxy color 25.3402, 0.3133, 0.3836.

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

25.3402, 0.3133, 0.3836

Protanopia

25.1500, 0.3508, 0.3728

Deuteranopia

25.0796, 0.3592, 0.3516



Tritanopia

25.2756, 0.2857, 0.3102

Trichromacy



Original Color

25.3402, 0.3133, 0.3836

Protanomaly

25.1603, 0.3371, 0.3777

Deuteranomaly

25.0153, 0.3407, 0.3630

Tritanomaly

25.3186, 0.2957, 0.3360

Monochromacy



Original Color

25.3402, 0.3133, 0.3836

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.2985, 0.3129, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3402, 0.3133, 0.3836 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(118, 145, 115)` looks like.

```
.text, #text, p{  
    color:rgb(118, 145, 115)  
}
```

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(118, 145, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 145, 115) }
```

Border

The CSS property to change the border of an element to Yxy 25.3402, 0.3133, 0.3836 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(118, 145, 115) }
```

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

```
.border{ border-color:rgb(118, 145, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 145, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 145, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 145, 115);  
box-shadow:4px 4px 4px 4px rgb(118, 145,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3402, 0.3133, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 145, 115) }
```

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

```
.background{ background-color: rgb(118,  
145, 115) }
```

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