

Converting Colors

$Y_{xy}(25.0303, 0.3301, 0.3733)$

Have a look what the booklet for
Yxy(25.0303, 0.3301, 0.3733)
contains.

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Color

Yxy(24.9805, 0.3305, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	858C73
RGB	133, 140, 115
RGB Percent	52%, 55%, 45%
CMY	0.4784, 0.4510, 0.5489
CMYK	0.05, 0.00, 0.18, 0.45
HSL	77°, 10%, 50%
HSV	77°, 18%, 55%
XYZ	22.1461, 24.9805, 19.8812
YIQ	135.0570, 3.8530, -9.2590

Conversions

Conversions Part 2

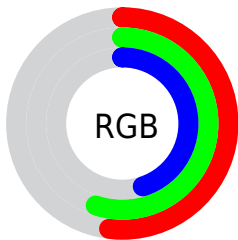
Format	Color
R_{YB}	115, 140, 122
Decimal	8752243
CIE _{Lab}	57.06, -7.23, 12.50
CIE _{LCh}	57, 14.434, 120.038
Yxy	24.9805, 0.3305, 0.3728
Android (android.graphics.Color)	4286942323 (0xFF858C73)
YUV	135.0570, -9.8881, -1.8040
Hunter-Lab	49.9805, -8.3735, 11.4020

Details

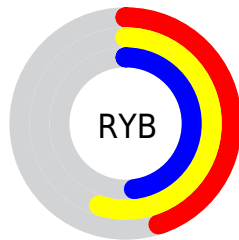
The Yxy color $24.9805, 0.3305, 0.3728$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.3004, 0.2928, 0.2835$, and the grayscale version is $24.2880, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.8127, 0.3266, 0.3638$, and $9.5566, 0.3360, 0.3898$ is the 20% darker color. If you saturate the color by 10%, you get $24.3696, 0.3404, 0.3989$, and if you desaturate by 10%, it is $25.6545, 0.3205, 0.3477$.

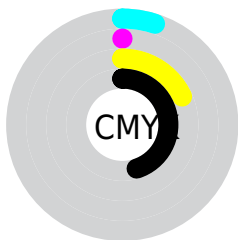
Distribution



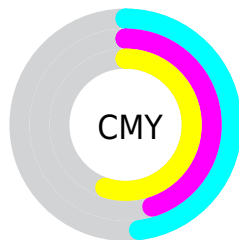
- Red (52%)
- Green (55%)
- Blue (45%)



- Red (45%)
- Yellow (55%)
- Blue (48%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (45%)





- Cyan (48%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9805, 0.3305, 0.3728 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 24.9805, 0.3305, 0.3728 by changing the saturation by 10% instead.


 24.9805, 0.3305,
0.3728


 24.9805, 0.3305,
0.3728


277.7408, 0.3209,
0.3483


 16.0625, 0.3331,
0.3800


 51.6256, 0.3268,
0.3631

 9.5684, 0.3367,
0.3900

 70.1215, 0.3255,
0.3597

 5.1138, 0.3416,
0.4048

 92.5788, 0.3244,
0.3570

 2.3142, 0.3488,
0.4289

119.3820, 0.3235,
0.3546

 0.7812, 0.4202,
0.5798

150.9154, 0.3227,
0.3527

 0.0000, 0.0000,
0.0000

187.5634, 0.3220,

0.3510

229.7104, 0.3214,
0.3495

■ 24.9805, 0.3305,
0.3728

■ 24.9805, 0.3305,
0.3728

■ 24.3696, 0.3404,
0.3989

■ 25.6545, 0.3205,
0.3477

■ 23.8162, 0.3497,
0.4254

■ 26.3905, 0.3106,
0.3240

■ 23.3189, 0.3581,
0.4515

■ 27.1917, 0.3011,
0.3020

■ 22.8749, 0.3651,
0.4761

■ 28.0600, 0.2920,
0.2818

■ 22.4814, 0.3702,
0.4981

■ 28.9973, 0.2835,
0.2634

■ 22.1349, 0.3731,
0.5166

■ 30.0054, 0.2756,
0.2468

■ 21.8316, 0.3736,
0.5308

■ 31.0861, 0.2683,
0.2317

■ 21.5640, 0.3720,
0.5410

■ 32.2409, 0.2615,
0.2182

■ 21.5083, 0.3716,
0.5431

■ 33.4715, 0.2553,
0.2060

Harmonies

Analogous

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



24.9805, 0.3512, 0.3695



24.9805, 0.3305, 0.3728



24.9805, 0.3056, 0.3631

Triad

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



24.9805, 0.3305, 0.3728



24.9805, 0.2660, 0.3000



24.9805, 0.3424, 0.3149

Complementary

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



24.9805, 0.3305, 0.3728



18.3004, 0.2928, 0.2835

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.



24.9805, 0.3184, 0.2981



24.9805, 0.3305, 0.3728



24.9805, 0.2749, 0.2892

Square

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



24.9805, 0.3305, 0.3728



24.9805, 0.2690, 0.3196



24.9805, 0.2938, 0.2887



24.9805, 0.3584, 0.3356

Rectangle

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



24.9805, 0.3305, 0.3728



24.9805, 0.2901, 0.3505



24.9805, 0.2938, 0.2887



24.9805, 0.3349, 0.3086

Sweetspot

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



24.9816, 0.3305, 0.3728



45.5721, 0.3178, 0.3411



20.6560, 0.3437, 0.3408



10.4828, 0.3184, 0.3426



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.9816, 0.3305, 0.3728



43.6412, 0.3341, 0.3821



24.0496, 0.3169, 0.3747



5.7757, 0.3218, 0.3509



19.1205, 0.3718, 0.5430



0.1344, 0.3952, 0.5244

Inverse Universe

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



18.3004, 0.2928, 0.2835



29.8320, 0.2881, 0.2734



19.2433, 0.3075, 0.2855



4.9558, 0.3031, 0.3067



2.0793, 0.1702, 0.0711



0.0204, 0.2140, 0.0953

Previews

White Background



This preview shows how the Yxy color 24.9805, 0.3305, 0.3728 looks on a white background.

Color Contrast Check

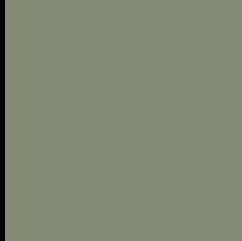
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9805, 0.3305, 0.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

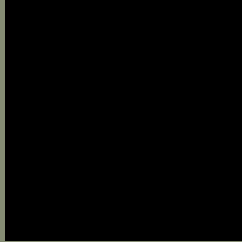
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

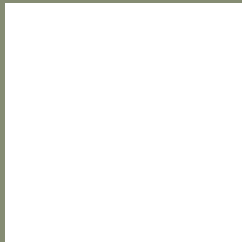
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9805, 0.3305, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 24.9805, 0.3305, 0.3728.



This preview shows how white text looks on a background with the Yxy color 24.9805, 0.3305, 0.3728.

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

24.9805, 0.3305, 0.3728

Protanopia

25.1033, 0.3475, 0.3695

Deuteranopia

24.9550, 0.3591, 0.3533



Tritanopia

25.0020, 0.3037, 0.3123

Trichromacy



Original Color

24.9805, 0.3305, 0.3728

Protanomaly

25.0546, 0.3414, 0.3701

Deuteranomaly

24.8848, 0.3484, 0.3608

Tritanomaly

24.8748, 0.3137, 0.3324

Monochromacy



Original Color

24.9805, 0.3305, 0.3728

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.5182, 0.3187, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9805, 0.3305, 0.3728 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, 140, 115)` looks like.

```
.text, #text, p{  
    color:rgb(133, 140, 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(133, 140, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 140, 115) }
```

Border

The CSS property to change the border of an element to Yxy 24.9805, 0.3305, 0.3728 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, 140, 115) }
```

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

```
.border{ border-color:rgb(133, 140, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 140, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 140, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 140, 115);  
box-shadow:4px 4px 4px 4px rgb(133, 140,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9805, 0.3305, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 140, 115) }
```

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

```
.background{ background-color: rgb(133,  
140, 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](#).

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