

Converting Colors

$Y_{xy}(25.0555, 0.3109, 0.3305)$

Have a look what the booklet for
Yxy(25.0555, 0.3109, 0.3305)
contains.

Yxy(25.1340, 0.3105, 0.3307)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.1340, 0.3105, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	878A89
RGB	135, 138, 137
RGB Percent	53%, 54%, 54%
CMY	0.4705, 0.4588, 0.4628
CMYK	0.02, 0.00, 0.01, 0.46
HSL	160°, 1%, 54%
HSV	160°, 2%, 54%
XYZ	23.5988, 25.1340, 27.2697
YIQ	136.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

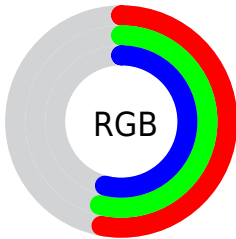
Format	Color
R_{YB}	135, 137, 138
Decimal	8882825
CIE Lab	57.21, -1.28, 0.15
CIE LCh	57, 1.292, 173.367
Yxy	25.1340, 0.3105, 0.3307
Android (android.graphics.Color)	4287072905 (0xFF878A89)
YUV	136.9890, 0.0054, -1.7444
Hunter-Lab	50.1338, -3.7115, 2.8436

Details

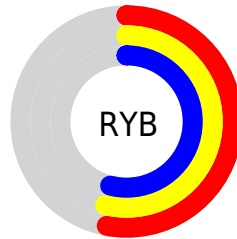
The Yxy color **25.1340, 0.3105, 0.3307** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.5191, 0.3150, 0.3273**, and the grayscale version is **25.0143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6707, 0.3110, 0.3303**, and **9.5989, 0.3093, 0.3315** is the 20% darker color. If you saturate the color by 10%, you get **23.9315, 0.3003, 0.3392**, and if you desaturate by 10%, it is **26.4929, 0.3209, 0.3231**.

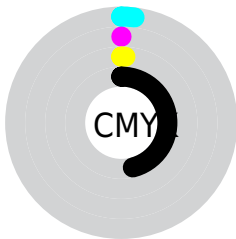
Distribution



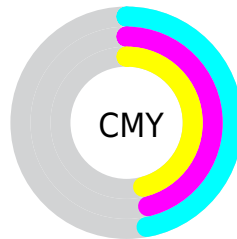
- Red (53%)
- Green (54%)
- Blue (54%)



- Red (53%)
- Yellow (54%)
- Blue (54%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (46%)



- Cyan (47%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1340, 0.3105, 0.3307 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 25.1340, 0.3105, 0.3307 by changing the saturation by 10% instead.

■ 25.1340, 0.3105,
0.3307

■ 25.1340, 0.3105,
0.3307

278.5046, 0.3117,
0.3298

■ 16.1769, 0.3101,
0.3310

■ 51.8745, 0.3110,
0.3303

■ 9.6494, 0.3097,
0.3313

■ 70.4268, 0.3111,
0.3302

■ 5.1671, 0.3090,
0.3319

■ 92.9462, 0.3113,
0.3301

■ 2.3457, 0.3078,
0.3327

119.8171, 0.3114,
0.3300

■ 0.7977, 0.3051,
0.3348

151.4241, 0.3115,
0.3299

■ 0.0000, 0.0000,
0.0000

188.1514, 0.3116,

0.3299

230.3834, 0.3117,
0.3298

■ 25.1340, 0.3105,
0.3307

■ 25.1340, 0.3105,
0.3307

■ 23.9315, 0.3003,
0.3392

■ 26.4929, 0.3209,
0.3231

■ 22.8765, 0.2906,
0.3485

■ 28.0104, 0.3313,
0.3163

■ 21.9638, 0.2814,
0.3586

■ 29.6927, 0.3415,
0.3103

■ 21.1871, 0.2733,
0.3696

■ 31.5447, 0.3516,
0.3050

■ 20.5392, 0.2663,
0.3812

■ 33.5712, 0.3613,
0.3004

■ 20.0125, 0.2608,
0.3934

■ 35.7768, 0.3707,
0.2963

■ 19.5983, 0.2571,
0.4060

■ 38.1657, 0.3796,
0.2928

■ 19.2871, 0.2552,
0.4187

■ 40.7421, 0.3882,
0.2897

■ 19.0674, 0.2552,
0.4314

■ 42.6991, 0.3922,
0.2864

Harmonies

Analogous

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



25.1340, 0.3127, 0.3322



25.1340, 0.3105, 0.3307



25.1340, 0.3089, 0.3287

Triad

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



25.1340, 0.3105, 0.3307



25.1340, 0.3106, 0.3252



25.1340, 0.3171, 0.3312

Complementary

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



25.1340, 0.3105, 0.3307



24.5191, 0.3150, 0.3273

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.



25.1340, 0.3165, 0.3293



25.1340, 0.3105, 0.3307



25.1340, 0.3128, 0.3259

Square

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



25.1340, 0.3105, 0.3307



25.1340, 0.3090, 0.3256



25.1340, 0.3150, 0.3274



25.1340, 0.3165, 0.3325

Rectangle

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



25.1340, 0.3105, 0.3307



25.1340, 0.3085, 0.3274



25.1340, 0.3150, 0.3274



25.1340, 0.3170, 0.3306

Sweetspot

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



25.1351, 0.3105, 0.3307



44.5639, 0.3117, 0.3298



25.1659, 0.3136, 0.3340



9.9990, 0.3117, 0.3298



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.



25.1351, 0.3105, 0.3307



44.1024, 0.3096, 0.3314



25.0369, 0.3095, 0.3282



5.8157, 0.3089, 0.3319



17.3622, 0.2558, 0.4409



0.1181, 0.2400, 0.3841

Inverse Universe

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



24.5191, 0.3150, 0.3273



42.5608, 0.3160, 0.3266



24.6148, 0.3160, 0.3298



5.5730, 0.3166, 0.3261



5.1442, 0.5547, 0.2829



0.0367, 0.4497, 0.2251

Previews

White Background



This preview shows how the Yxy color 25.1340, 0.3105, 0.3307 looks on a white background.

Color Contrast Check

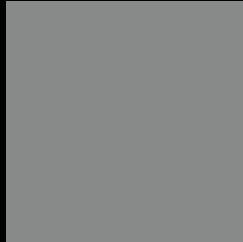
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1340, 0.3105, 0.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

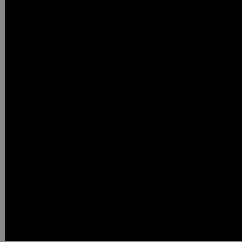
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

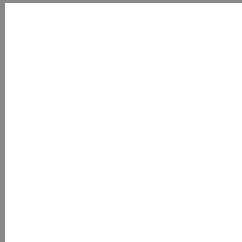
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.1340, 0.3105, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 25.1340, 0.3105, 0.3307.

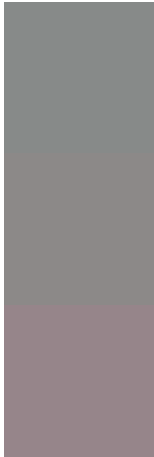


This preview shows how white text looks on a background with the Yxy color 25.1340, 0.3105, 0.3307.

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

25.1340, 0.3105, 0.3307

Protanopia

25.2443, 0.3171, 0.3307

Deuteranopia

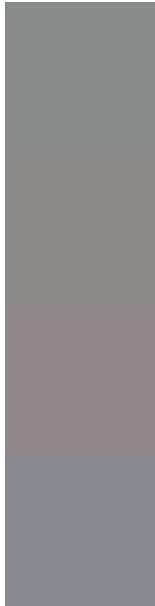
25.0941, 0.3268, 0.3209



Tritanopia

25.0333, 0.3027, 0.3107

Trichromacy



Original Color

25.1340, 0.3105, 0.3307

Protanomaly

25.0722, 0.3148, 0.3307

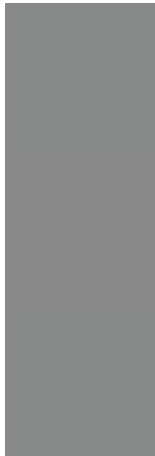
Deuteranomaly

25.1827, 0.3208, 0.3241

Tritanomaly

25.1087, 0.3056, 0.3189

Monochromacy



Original Color

25.1340, 0.3105, 0.3307

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.9317, 0.3116, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1340, 0.3105, 0.3307 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(135, 138, 137)` looks like.

```
.text, #text, p{  
    color:rgb(135, 138, 137)  
}
```

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(135, 138, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 138, 137) }
```

Border

The CSS property to change the border of an element to Yxy 25.1340, 0.3105, 0.3307 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(135, 138, 137) }
```

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

```
.border{ border-color:rgb(135, 138, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 138, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 138, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 138, 137);  
box-shadow:4px 4px 4px 4px rgb(135, 138,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1340, 0.3105, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 138, 137) }
```

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

```
.background{ background-color: rgb(135,  
138, 137) }
```

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