

Converting Colors

$Y_{xy}(25.7680, 0.3165, 0.3409)$

Have a look what the booklet for
Yxy(25.7680, 0.3165, 0.3409)
contains.

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Color

Yxy(25.7680, 0.3165, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	898C85
RGB	137, 140, 133
RGB Percent	54%, 55%, 52%
CMY	0.4629, 0.4509, 0.4785
CMYK	0.02, 0.00, 0.05, 0.45
HSL	86°, 3%, 54%
HSV	86°, 5%, 55%
XYZ	23.9236, 25.7680, 25.8965
YIQ	138.3050, 0.4590, -2.8130

Conversions

Conversions Part 2

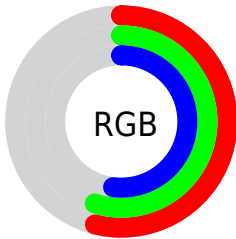
Format	Color
RYB	133, 140, 136
Decimal	9014405
CIELab	57.82, -2.48, 3.35
CIElCh	58, 4.171, 126.468
Yxy	25.7680, 0.3165, 0.3409
Android (android.graphics.Color)	4287204485 (0xFF898C85)
YUV	138.3050, -2.6154, -1.1445
Hunter-Lab	50.7622, -4.7088, 5.2865

Details

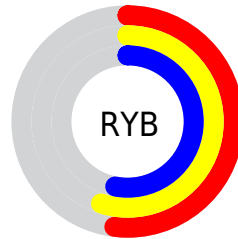
The Yxy color **25.7680, 0.3165, 0.3409** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.9006, 0.3088, 0.3171**, and the grayscale version is **25.5469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0759, 0.3155, 0.3390**, and **9.9787, 0.3168, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **24.9100, 0.3241, 0.3660**, and if you desaturate by 10%, it is **26.7086, 0.3090, 0.3177**.

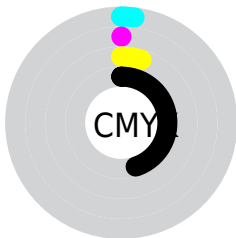
Distribution



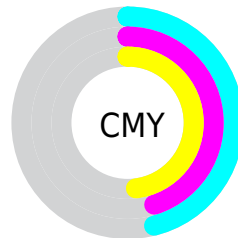
- Red (54%)
- Green (55%)
- Blue (52%)



- Red (52%)
- Yellow (55%)
- Blue (53%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (45%)



- Cyan (46%)
- Magenta (45%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7680, 0.3165, 0.3409 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 25.7680, 0.3165, 0.3409 by changing the saturation by 10% instead.

■ 25.7680, 0.3165,
0.3409

■ 25.7680, 0.3165,
0.3409

281.6413, 0.3144,
0.3343

■ 16.6502, 0.3171,
0.3428

■ 52.9004, 0.3157,
0.3383

■ 9.9854, 0.3179,
0.3454

■ 71.6838, 0.3154,
0.3374

■ 5.3893, 0.3190,
0.3492

■ 94.4578, 0.3152,
0.3367

■ 2.4774, 0.3208,
0.3553

121.6069, 0.3150,
0.3361

■ 0.8653, 0.3263,
0.3706

153.5154, 0.3148,
0.3355

■ 0.0000, 0.0000,
0.0000

190.5677, 0.3147,

0.3351

233.1482, 0.3146,
0.3347

■ 25.7680, 0.3165,
0.3409

■ 25.7680, 0.3165,
0.3409

■ 24.9100, 0.3241,
0.3660

■ 26.7086, 0.3090,
0.3177

■ 24.1287, 0.3315,
0.3927

■ 27.7308, 0.3017,
0.2965

■ 23.4226, 0.3384,
0.4206

■ 28.8380, 0.2948,
0.2773

■ 22.7889, 0.3445,
0.4488

■ 30.0323, 0.2883,
0.2600

■ 22.2246, 0.3494,
0.4764

■ 31.3159, 0.2822,
0.2445

■ 21.7265, 0.3526,
0.5020

■ 32.6907, 0.2765,
0.2306

■ 21.2908, 0.3537,
0.5246

■ 34.1587, 0.2713,
0.2181

■ 20.9135, 0.3526,
0.5428

■ 35.7217, 0.2664,
0.2070

■ 20.5892, 0.3495,
0.5562

■ 37.1215, 0.2646,
0.2003

Harmonies

Analogous

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



25.7680, 0.3227, 0.3410



25.7680, 0.3165, 0.3409



25.7680, 0.3093, 0.3375

Triad

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



25.7680, 0.3165, 0.3409



25.7680, 0.2993, 0.3199



25.7680, 0.3224, 0.3263

Complementary

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



25.7680, 0.3165, 0.3409



23.9006, 0.3088, 0.3171

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.



25.7680, 0.3160, 0.3208



25.7680, 0.3165, 0.3409



25.7680, 0.3027, 0.3171

Square

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



25.7680, 0.3165, 0.3409



25.7680, 0.2995, 0.3253



25.7680, 0.3088, 0.3175



25.7680, 0.3262, 0.3325

Rectangle

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



25.7680, 0.3165, 0.3409



25.7680, 0.3050, 0.3338



25.7680, 0.3088, 0.3175



25.7680, 0.3205, 0.3243

Sweetspot

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



25.7691, 0.3165, 0.3409



45.9009, 0.3143, 0.3338



24.8533, 0.3204, 0.3340



10.5817, 0.3142, 0.3335



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.



25.7691, 0.3165, 0.3409



45.2483, 0.3173, 0.3436



25.4861, 0.3128, 0.3410



5.7933, 0.3175, 0.3443



18.1705, 0.3480, 0.5619



0.1294, 0.3798, 0.5366

Inverse Universe

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



23.9006, 0.3088, 0.3171



41.2588, 0.3079, 0.3144



24.1901, 0.3126, 0.3172



5.2603, 0.3077, 0.3137



2.5635, 0.1926, 0.0835



0.0254, 0.2422, 0.1108

Previews

White Background



This preview shows how the Yxy color 25.7680, 0.3165, 0.3409 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 25.7680, 0.3165, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

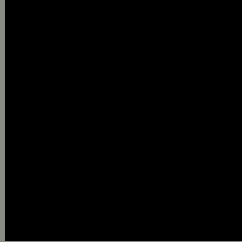
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

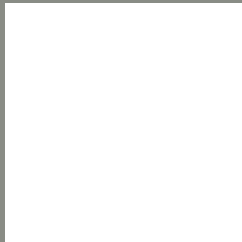
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.7680, 0.3165, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 25.7680, 0.3165, 0.3409.



This preview shows how white text looks on a background with the Yxy color 25.7680, 0.3165, 0.3409.

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

25.7680, 0.3165, 0.3409

Protanopia

25.6825, 0.3245, 0.3390

Deuteranopia

25.6414, 0.3357, 0.3291



Tritanopia

25.8359, 0.3028, 0.3109

Trichromacy



Original Color

25.7680, 0.3165, 0.3409

Protanomaly

25.7939, 0.3221, 0.3407

Deuteranomaly

25.6254, 0.3284, 0.3323

Tritanomaly

25.8517, 0.3076, 0.3223

Monochromacy



Original Color

25.7680, 0.3165, 0.3409

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.6461, 0.3147, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7680, 0.3165, 0.3409 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(137, 140, 133)` looks like.

```
.text, #text, p{  
    color:rgb(137, 140, 133)  
}
```

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(137, 140, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 140, 133) }
```

Border

The CSS property to change the border of an element to Yxy 25.7680, 0.3165, 0.3409 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(137, 140, 133) }
```

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

```
.border{ border-color:rgb(137, 140, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 140, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 140, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 140, 133);  
box-shadow:4px 4px 4px 4px rgb(137, 140,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7680, 0.3165, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 140, 133) }
```

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

```
.background{ background-color: rgb(137,  
140, 133) }
```

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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