

Converting Colors

$Y_{xy}(26.6831, 0.3276, 0.3793)$

Have a look what the booklet for
Yxy(26.6831, 0.3276, 0.3793)
contains.

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Color

Yxy(26.8287, 0.3273, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	859275
RGB	133, 146, 117
RGB Percent	52%, 57%, 46%
CMY	0.4784, 0.4274, 0.5413
CMYK	0.09, 0.00, 0.20, 0.43
HSL	87°, 12%, 52%
HSV	87°, 20%, 57%
XYZ	23.1628, 26.8287, 20.7779
YIQ	138.8070, 1.5610, -11.7750

Conversions

Conversions Part 2

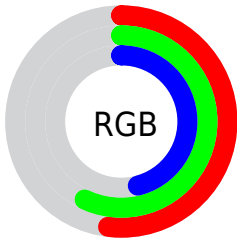
Format	Color
RYB	117, 146, 130
Decimal	8753781
CIELab	58.82, -10.17, 13.85
CIELCh	59, 17.180, 126.292
Yxy	26.8287, 0.3273, 0.3791
Android (android.graphics.Color)	4286943861 (0xFF859275)
YUV	138.8070, -10.7509, -5.0927
Hunter-Lab	51.7964, -10.8203, 12.4736

Details

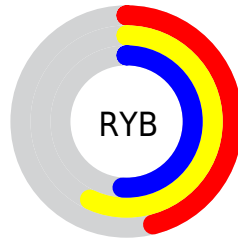
The Yxy color $26.8287, 0.3273, 0.3791$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $19.5338, 0.2957, 0.2785$, and the grayscale version is $25.7829, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.6122, 0.3243, 0.3684$, and $10.6344, 0.3308, 0.3986$ is the 20% darker color. If you saturate the color by 10%, you get $25.9976, 0.3343, 0.4067$, and if you desaturate by 10%, it is $27.7488, 0.3200, 0.3530$.

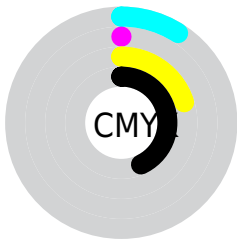
Distribution



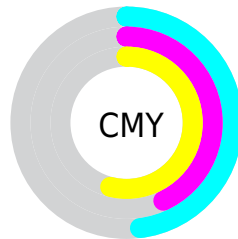
- Red (52%)
- Green (57%)
- Blue (46%)



- Red (46%)
- Yellow (57%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (20%)
- Black (43%)





- Cyan (48%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8287, 0.3273, 0.3791 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 26.8287, 0.3273, 0.3791 by changing the saturation by 10% instead.


 26.8287, 0.3273,
0.3791


 26.8287, 0.3273,
0.3791


286.8268, 0.3197,
0.3512


 17.4446, 0.3293,
0.3872


 54.6089, 0.3245,
0.3682

 10.5520, 0.3319,
0.3984


 73.7737, 0.3234,
0.3643

 5.7665, 0.3353,
0.4149

 96.9676, 0.3225,
0.3611

 2.7036, 0.3399,
0.4413

124.5750, 0.3218,
0.3585

 0.9790, 0.3876,
0.5585

156.9802, 0.3211,
0.3562

 0.0000, 0.0000,
0.0000

194.5676, 0.3206,

0.3543

237.7217, 0.3201,
0.3526

■ 26.8287, 0.3273,
0.3791

■ 26.8287, 0.3273,
0.3791

■ 25.9976, 0.3343,
0.4067

■ 27.7488, 0.3200,
0.3530

■ 25.2488, 0.3407,
0.4351

■ 28.7573, 0.3126,
0.3287

■ 24.5804, 0.3460,
0.4634

■ 29.8580, 0.3054,
0.3065

■ 23.9886, 0.3498,
0.4905

■ 31.0537, 0.2985,
0.2863

■ 23.4697, 0.3518,
0.5151

■ 32.3467, 0.2920,
0.2681

■ 23.0194, 0.3516,
0.5359

■ 33.7395, 0.2858,
0.2517

■ 22.6326, 0.3492,
0.5519

■ 35.2344, 0.2801,
0.2371

■ 22.2976, 0.3453,
0.5639

■ 36.8337, 0.2748,
0.2240

■ 22.2939, 0.3453,
0.5641

■ 38.5394, 0.2698,
0.2124

Harmonies

Analogous

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



26.8287, 0.3531, 0.3781



26.8287, 0.3273, 0.3791



26.8287, 0.2984, 0.3648

Triad

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



26.8287, 0.3273, 0.3791



26.8287, 0.2598, 0.2917



26.8287, 0.3521, 0.3173

Complementary

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



26.8287, 0.3273, 0.3791



19.5338, 0.2957, 0.2785

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.



26.8287, 0.3254, 0.2968



26.8287, 0.3273, 0.3791



26.8287, 0.2726, 0.2818

Square

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



26.8287, 0.3273, 0.3791



26.8287, 0.2603, 0.3125



26.8287, 0.2962, 0.2840



26.8287, 0.3681, 0.3414

Rectangle

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



26.8287, 0.3273, 0.3791



26.8287, 0.2813, 0.3487



26.8287, 0.2962, 0.2840



26.8287, 0.3440, 0.3098

Sweetspot

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



26.8299, 0.3273, 0.3791



49.6010, 0.3172, 0.3436



23.2410, 0.3466, 0.3504



11.0125, 0.3176, 0.3450



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.



26.8299, 0.3273, 0.3791



46.6351, 0.3306, 0.3916



25.7575, 0.3122, 0.3815



6.6169, 0.3195, 0.3513



19.6314, 0.3456, 0.5638



0.2578, 0.3782, 0.5379

Inverse Universe

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



19.5338, 0.2957, 0.2785



31.2877, 0.2911, 0.2657



20.7265, 0.3126, 0.2810



5.7524, 0.3055, 0.3066



2.8377, 0.1949, 0.0847



0.0518, 0.2447, 0.1122

Previews

White Background



This preview shows how the Yxy color 26.8287, 0.3273, 0.3791 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 26.8287, 0.3273, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

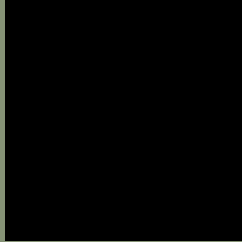
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

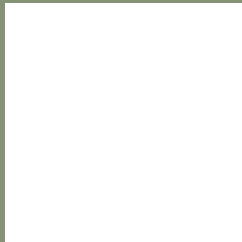
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.8287, 0.3273, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 26.8287, 0.3273, 0.3791.



This preview shows how white text looks on a background with the Yxy color 26.8287, 0.3273, 0.3791.

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

26.8287, 0.3273, 0.3791

Protanopia

26.7716, 0.3498, 0.3717

Deuteranopia

26.7268, 0.3625, 0.3557



Tritanopia

26.7200, 0.2989, 0.3110

Trichromacy



Original Color

26.8287, 0.3273, 0.3791

Protanomaly

26.8352, 0.3413, 0.3741

Deuteranomaly

26.7396, 0.3493, 0.3649

Tritanomaly

26.7432, 0.3092, 0.3357

Monochromacy



Original Color

26.8287, 0.3273, 0.3791

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.3031, 0.3183, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8287, 0.3273, 0.3791 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, 146, 117)` looks like.

```
.text, #text, p{  
    color:rgb(133, 146, 117)  
}
```

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, 146, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 146, 117) }
```

Border

The CSS property to change the border of an element to Yxy 26.8287, 0.3273, 0.3791 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, 146, 117) }
```

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

```
.border{ border-color:rgb(133, 146, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 146, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 146, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 146, 117);  
box-shadow:4px 4px 4px 4px rgb(133, 146,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8287, 0.3273, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 146, 117) }
```

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

```
.background{ background-color: rgb(133,  
146, 117) }
```

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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