

Converting Colors

$Y_{xy}(27.8768, 0.3357, 0.3937)$

Have a look what the booklet for
Yxy(27.8768, 0.3357, 0.3937)
contains.

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Color

Yxy(27.8768, 0.3357, 0.3937)

Conversions

Conversions Part 1

Format	Color
Hex	88956F
RGB	136, 149, 111
RGB Percent	53%, 58%, 44%
CMY	0.4666, 0.4157, 0.5648
CMYK	0.09, 0.00, 0.26, 0.42
HSL	81°, 15%, 51%
HSV	81°, 26%, 58%
XYZ	23.7700, 27.8768, 19.1604
YIQ	140.7810, 4.4500, -14.5740

Conversions

Conversions Part 2

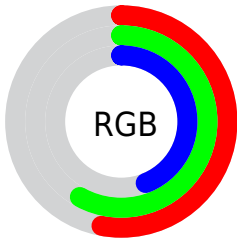
Format	Color
R_{YB}	111, 149, 124
Decimal	8951151
CIE _{Lab}	59.78, -11.61, 18.57
CIE _{LCh}	60, 21.904, 122.006
Yxy	27.8768, 0.3357, 0.3937
Android (android.graphics.Color)	4287141231 (0xFF88956F)
YUV	140.7810, -14.6820, -4.1929
Hunter-Lab	52.7985, -12.0363, 15.4428

Details

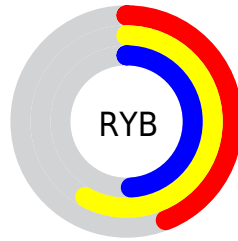
The Yxy color $27.8768, 0.3357, 0.3937$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.8175, 0.2852, 0.2617$, and the grayscale version is $26.6034, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.3034, 0.3315, 0.3793$, and $11.0727, 0.3430, 0.4173$ is the 20% darker color. If you saturate the color by 10%, you get $27.1604, 0.3442, 0.4209$, and if you desaturate by 10%, it is $28.6706, 0.3267, 0.3673$.

Distribution



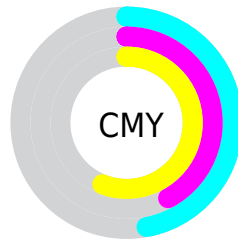
- Red (53%)
- Green (58%)
- Blue (44%)



- Red (44%)
- Yellow (58%)
- Blue (49%)



- Cyan (9%)
- Magenta (0%)
- Yellow (26%)
- Black (42%)




- Cyan (47%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8768, 0.3357, 0.3937 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 27.8768, 0.3357, 0.3937 by changing the saturation by 10% instead.


 27.8768, 0.3357,
0.3937


 27.8768, 0.3357,
0.3937

291.8778, 0.3238,
0.3578


 18.2328, 0.3387,
0.4040


 56.2877, 0.3313,
0.3797

 11.1173, 0.3426,
0.4182


 75.8234, 0.3297,
0.3747

 6.1458, 0.3477,
0.4388

 99.4251, 0.3283,
0.3707

 2.9339, 0.3540,
0.4710

 127.4772, 0.3271,
0.3672

 1.0973, 0.4045,
0.5955

160.3641, 0.3261,
0.3643

 0.0000, 0.0000,
0.0000

198.4703, 0.3252,

0.3618

242.1800, 0.3244,
0.3597

■ 27.8768, 0.3357,
0.3937

■ 27.8768, 0.3357,
0.3937

■ 27.1604, 0.3442,
0.4209

■ 28.6706, 0.3267,
0.3673

■ 26.5149, 0.3518,
0.4481

■ 29.5411, 0.3177,
0.3422

■ 25.9381, 0.3581,
0.4742

■ 30.4919, 0.3087,
0.3187

■ 25.4266, 0.3626,
0.4981

■ 31.5257, 0.3001,
0.2972

■ 24.9764, 0.3649,
0.5187

■ 32.6449, 0.2920,
0.2775

■ 24.5831, 0.3649,
0.5350

■ 33.8516, 0.2843,
0.2597

■ 24.2405, 0.3626,
0.5466

■ 35.1481, 0.2771,
0.2436

■ 24.0970, 0.3613,
0.5513

■ 36.5365, 0.2705,
0.2292

■ 38.0188, 0.2644,
0.2162

Harmonies

Analogous

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



27.8768, 0.3670, 0.3888



27.8768, 0.3357, 0.3937



27.8768, 0.2995, 0.3784

Triad

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



27.8768, 0.3357, 0.3937



27.8768, 0.2459, 0.2848



27.8768, 0.3581, 0.3101

Complementary

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



27.8768, 0.3357, 0.3937



17.8175, 0.2852, 0.2617

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.



27.8768, 0.3231, 0.2860



27.8768, 0.3357, 0.3937



27.8768, 0.2594, 0.2710

Square

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



27.8768, 0.3357, 0.3937



27.8768, 0.2489, 0.3122



27.8768, 0.2870, 0.2719



27.8768, 0.3809, 0.3395

Rectangle

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



27.8768, 0.3357, 0.3937



27.8768, 0.2774, 0.3587



27.8768, 0.2870, 0.2719



27.8768, 0.3473, 0.3013

Sweetspot

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



27.8780, 0.3357, 0.3937



52.4760, 0.3201, 0.3486



21.8657, 0.3596, 0.3506



11.5805, 0.3213, 0.3521



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.8780, 0.3357, 0.3937



49.1229, 0.3410, 0.4103



26.4470, 0.3158, 0.3979



6.6464, 0.3210, 0.3512



20.2969, 0.3617, 0.5510



0.2648, 0.3892, 0.5291

Inverse Universe

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



17.8175, 0.2852, 0.2617



27.7545, 0.2771, 0.2436



19.3442, 0.3078, 0.2660



5.7236, 0.3039, 0.3065



2.4320, 0.1779, 0.0754



0.0448, 0.2258, 0.1018

Previews

White Background



This preview shows how the Yxy color 27.8768, 0.3357, 0.3937 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 27.8768, 0.3357, 0.3937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

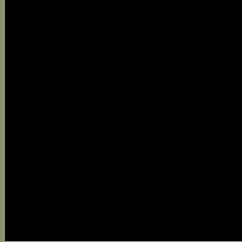
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8768, 0.3357, 0.3937

Background



This preview shows how black text looks on a background with the Yxy color 27.8768, 0.3357, 0.3937.



This preview shows how white text looks on a background with the Yxy color 27.8768, 0.3357, 0.3937.

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

27.8768, 0.3357, 0.3937

Protanopia

27.9207, 0.3596, 0.3853

Deuteranopia

27.6940, 0.3743, 0.3673



Tritanopia

27.7623, 0.3001, 0.3098

Trichromacy



Original Color

27.8768, 0.3357, 0.3937

Protanomaly

27.8866, 0.3498, 0.3883

Deuteranomaly

27.5838, 0.3596, 0.3770

Tritanomaly

27.6903, 0.3133, 0.3389

Monochromacy



Original Color

27.8768, 0.3357, 0.3937

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.0472, 0.3212, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8768, 0.3357, 0.3937 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(136, 149, 111)` looks like.

```
.text, #text, p{  
    color:rgb(136, 149, 111)  
}
```

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(136, 149, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 149, 111) }
```

Border

The CSS property to change the border of an element to Yxy 27.8768, 0.3357, 0.3937 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(136, 149, 111) }
```

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

```
.border{ border-color:rgb(136, 149, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 149, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 149, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 149, 111);  
box-shadow:4px 4px 4px 4px rgb(136, 149,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8768, 0.3357, 0.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 149, 111) }
```

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

```
.background{ background-color: rgb(136,  
149, 111) }
```

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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