

Converting Colors

$Yxy(37.8308, 0.2878, 0.3287)$

Have a look what the booklet for
Yxy(37.8308, 0.2878, 0.3287)
contains.

Yxy(37.8169, 0.2876, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.8169, 0.2876, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	8EABAB
RGB	142, 171, 171
RGB Percent	56%, 67%, 67%
CMY	0.4432, 0.3294, 0.3293
CMYK	0.17, 0.00, 0.00, 0.33
HSL	180°, 15%, 61%
HSV	180°, 17%, 67%
XYZ	33.0682, 37.8169, 44.0948
YIQ	162.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

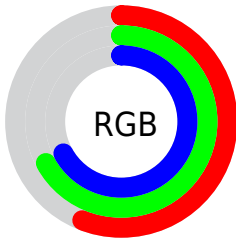
Format	Color
RYB	142, 157, 171
Decimal	9350059
CIELab	67.89, -9.91, -3.34
CIELCh	68, 10.459, 198.620
Yxy	37.8169, 0.2876, 0.3289
Android (android.graphics.Color)	4287540139 (0xFF8EABAB)
YUV	162.3290, 4.2748, -17.8285
Hunter-Lab	61.4954, -11.6314, 0.5334

Details

The Yxy color **37.8169, 0.2876, 0.3289** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.9588, 0.3444, 0.3291**, and the grayscale version is **36.2791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6195, 0.2925, 0.3289**, and **16.7497, 0.2796, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **36.4166, 0.2741, 0.3288**, and if you desaturate by 10%, it is **39.4524, 0.3021, 0.3290**.

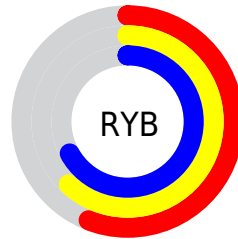
Distribution



Red (56%)

Green (67%)

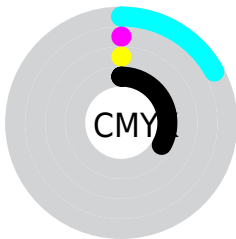
Blue (67%)



Red (56%)

Yellow (62%)

Blue (67%)

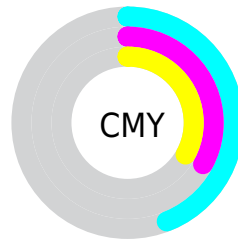


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (44%)


Magenta (33%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8169, 0.2876, 0.3289 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 37.8169, 0.2876, 0.3289 by changing the saturation by 10% instead.


 37.8169, 0.2876,
0.3289


 37.8169, 0.2876,
0.3289


336.8339, 0.3005,
0.3291


 25.8406, 0.2843,
0.3288


 71.8274, 0.2924,
0.3290

 16.7044, 0.2799,
0.3287


 94.6304, 0.2942,
0.3290

 10.0240, 0.2739,
0.3285


 121.8111, 0.2956,
0.3290

 5.4149, 0.2653,
0.3281

153.7539, 0.2969,
0.3290

 2.4927, 0.2519,
0.3272

190.8432, 0.2980,
0.3291

 0.8730, 0.2208,
0.3280

233.4633, 0.2989,

 0.0000, 0.0000,

0.3291

0.0000

281.9988, 0.2998,
0.3291

■ 37.8169, 0.2876,
0.3289

■ 37.8169, 0.2876,
0.3289

■ 36.4166, 0.2741,
0.3288

■ 39.4524, 0.3021,
0.3290

■ 35.2364, 0.2619,
0.3288

■ 41.3282, 0.3174,
0.3290

■ 34.2663, 0.2513,
0.3287

■ 43.4554, 0.3331,
0.3291

■ 33.4940, 0.2424,
0.3287

■ 45.8426, 0.3490,
0.3291

■ 32.9059, 0.2354,
0.3287

■ 48.4982, 0.3649,
0.3292

■ 32.4865, 0.2302,
0.3286

■ 51.4304, 0.3805,
0.3292

■ 32.2180, 0.2268,
0.3286

■ 53.3539, 0.3899,
0.3293

■ 32.0742, 0.2250,
0.3286

■ 53.3574, 0.3899,
0.3293

■ 32.0398, 0.2246,
0.3286

■ 53.3609, 0.3899,
0.3293

Harmonies

Analogous

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



37.8169, 0.2991, 0.3431



37.8169, 0.2876, 0.3289



37.8169, 0.2827, 0.3152

Triad

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



37.8169, 0.2876, 0.3289



37.8169, 0.3104, 0.3062



37.8169, 0.3404, 0.3521

Complementary

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



37.8169, 0.2876, 0.3289



29.9588, 0.3444, 0.3291

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.



37.8169, 0.3437, 0.3416



37.8169, 0.2876, 0.3289



37.8169, 0.3261, 0.3155

Square

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



37.8169, 0.2876, 0.3289



37.8169, 0.2956, 0.3025



37.8169, 0.3384, 0.3283



37.8169, 0.3296, 0.3566

Rectangle

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



37.8169, 0.2876, 0.3289



37.8169, 0.2838, 0.3082



37.8169, 0.3384, 0.3283



37.8169, 0.3425, 0.3491

Sweetspot

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



37.8185, 0.2876, 0.3289



71.2387, 0.3050, 0.3290



36.8359, 0.3106, 0.3739



15.8377, 0.3039, 0.3290



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.8185, 0.2876, 0.3289



66.8195, 0.2829, 0.3289



32.6365, 0.2866, 0.3069



9.0713, 0.2987, 0.3289



24.1468, 0.2246, 0.3286



0.6720, 0.2246, 0.3286

Inverse Universe

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



30.9421, 0.3147, 0.2879



52.4047, 0.3151, 0.2796



34.5589, 0.3410, 0.3502



8.1480, 0.3138, 0.3067



8.7407, 0.3211, 0.1542



0.2432, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.8169, 0.2876, 0.3289 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.8169, 0.2876, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

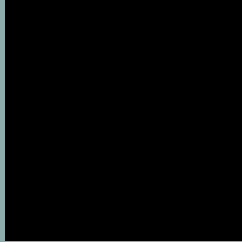
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

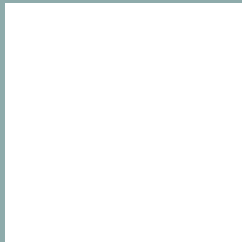
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8169, 0.2876, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 37.8169, 0.2876, 0.3289.

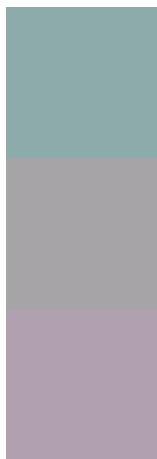


This preview shows how white text looks on a background with the Yxy color 37.8169, 0.2876, 0.3289.

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

37.8169, 0.2876, 0.3289

Protanopia

37.5564, 0.3129, 0.3248

Deuteranopia

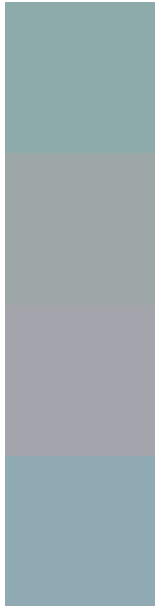
37.5059, 0.3174, 0.3112



Tritanopia

37.7241, 0.2801, 0.3086

Trichromacy



Original Color

37.8169, 0.2876, 0.3289

Protanomaly

37.7337, 0.3037, 0.3275

Deuteranomaly

37.4220, 0.3059, 0.3177

Tritanomaly

37.8438, 0.2823, 0.3158

Monochromacy



Original Color

37.8169, 0.2876, 0.3289

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.5954, 0.3035, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8169, 0.2876, 0.3289 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(142, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(142, 171, 171)  
}
```

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(142, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 171, 171) }
```

Border

The CSS property to change the border of an element to Yxy 37.8169, 0.2876, 0.3289 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(142, 171, 171) }
```

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

```
.border{ border-color:rgb(142, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(142, 171,  
171) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.8169, 0.2876, 0.3289$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 171, 171) }
```

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

```
.background{ background-color: rgb(142,  
171, 171) }
```

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