

Converting Colors

$Yxy(37.0532, 0.2926, 0.3549)$

Have a look what the booklet for
Yxy(37.0532, 0.2926, 0.3549)
contains.

Yxy(36.9737, 0.2926, 0.3537)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9737, 0.2926, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	86AC9C
RGB	134, 172, 156
RGB Percent	53%, 67%, 61%
CMY	0.4744, 0.3255, 0.3883
CMYK	0.22, 0.00, 0.09, 0.33
HSL	155°, 19%, 60%
HSV	155°, 22%, 67%
XYZ	30.5867, 36.9737, 36.9737
YIQ	158.8140, -17.5120, -13.0320

Conversions

Conversions Part 2

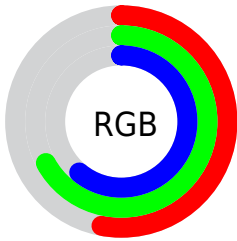
Format	Color
RYB	134, 158, 172
Decimal	8826012
CIELab	67.26, -16.23, 4.01
CIELCh	67, 16.720, 166.106
Yxy	36.9737, 0.2926, 0.3537
Android (android.graphics.Color)	4287016092 (0xFF86AC9C)
YUV	158.8140, -1.3873, -21.7619
Hunter-Lab	60.8060, -16.6213, 6.5123

Details

The Yxy color $36.9737, 0.2926, 0.3537$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $28.0297, 0.3385, 0.3056$, and the grayscale version is $34.5963, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.2827, 0.2970, 0.3488$, and $16.2919, 0.2855, 0.3624$ is the 20% darker color. If you saturate the color by 10%, you get $35.4364, 0.2843, 0.3667$, and if you desaturate by 10%, it is $38.7586, 0.3015, 0.3418$.

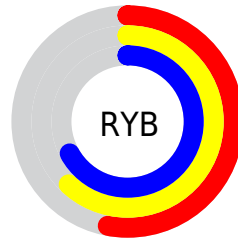
Distribution



Red (53%)

Green (67%)

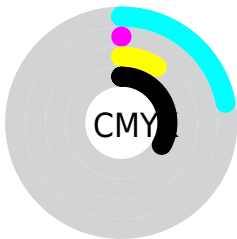
Blue (61%)



Red (53%)

Yellow (62%)

Blue (67%)

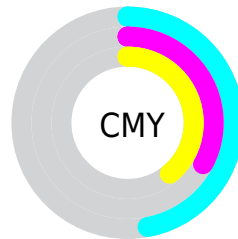


Cyan (22%)

Magenta (0%)

Yellow (9%)

Black (33%)



Cyan (47%)


Magenta (33%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9737, 0.2926, 0.3537 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 36.9737, 0.2926, 0.3537 by changing the saturation by 10% instead.


 36.9737, 0.2926,
0.3537


 36.9737, 0.2926,
0.3537

333.1966, 0.3031,
0.3407

 25.1871, 0.2898,
0.3572


 70.5323, 0.2966,
0.3488

 16.2165, 0.2861,
0.3618


 93.0732, 0.2980,
0.3470

 9.6775, 0.2810,
0.3683


 119.9676, 0.2992,
0.3455

 5.1857, 0.2734,
0.3780

151.5999, 0.3002,
0.3442

 2.3566, 0.2611,
0.3939

188.3546, 0.3011,
0.3432

 0.8034, 0.2082,
0.4552

230.6160, 0.3019,

 0.0000, 0.0000,

0.3422

0.0000

278.7686, 0.3026,
0.3414

■ 36.9737, 0.2926,
0.3537

■ 36.9737, 0.2926,
0.3537

■ 35.4364, 0.2843,
0.3667

■ 38.7586, 0.3015,
0.3418

■ 34.1307, 0.2769,
0.3809

■ 40.7972, 0.3108,
0.3311

■ 33.0460, 0.2706,
0.3959

■ 43.1008, 0.3202,
0.3215

■ 32.1687, 0.2659,
0.4117

■ 45.6789, 0.3295,
0.3130

■ 31.4839, 0.2630,
0.4279

■ 48.5404, 0.3387,
0.3055

■ 30.9746, 0.2619,
0.4442

■ 51.6940, 0.3476,
0.2989

■ 30.6205, 0.2629,
0.4602

■ 55.1476, 0.3562,
0.2931

■ 30.4157, 0.2646,
0.4727

■ 55.6194, 0.3503,
0.2860

■ 55.9980, 0.3440,
0.2789

Harmonies

Analogous

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



36.9737, 0.3173, 0.3699



36.9737, 0.2926, 0.3537



36.9737, 0.2738, 0.3304

Triad

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



36.9737, 0.2926, 0.3537



36.9737, 0.2835, 0.2870



36.9737, 0.3627, 0.3469

Complementary

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



36.9737, 0.2926, 0.3537



28.0297, 0.3385, 0.3056

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.



36.9737, 0.3530, 0.3257



36.9737, 0.2926, 0.3537



36.9737, 0.3065, 0.2921

Square

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



36.9737, 0.2926, 0.3537



36.9737, 0.2687, 0.2924



36.9737, 0.3321, 0.3060



36.9737, 0.3583, 0.3646

Rectangle

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



36.9737, 0.2926, 0.3537



36.9737, 0.2667, 0.3149



36.9737, 0.3321, 0.3060



36.9737, 0.3610, 0.3400

Sweetspot

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



36.9752, 0.2926, 0.3537



72.0874, 0.3061, 0.3364



37.7564, 0.3248, 0.3866



15.6210, 0.3055, 0.3370



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.



36.9752, 0.2926, 0.3537



65.8009, 0.2889, 0.3593



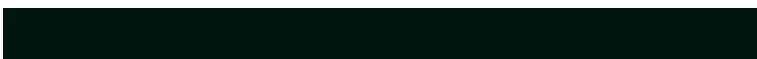
36.5991, 0.2803, 0.3251



9.0141, 0.3041, 0.3387



22.6454, 0.2642, 0.4711



0.6406, 0.2508, 0.4230

Inverse Universe

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



28.0297, 0.3385, 0.3056



46.9501, 0.3451, 0.3007



28.2571, 0.3558, 0.3329



8.0693, 0.3223, 0.3195



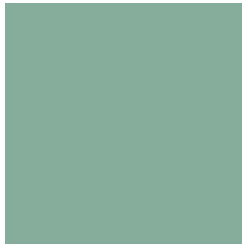
6.8903, 0.5252, 0.2667



0.2028, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 36.9737, 0.2926, 0.3537 looks on a white background.

Color Contrast Check

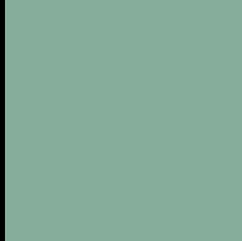
Large Text (above 18pt) WCAG AA × Fail

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 36.9737, 0.2926, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

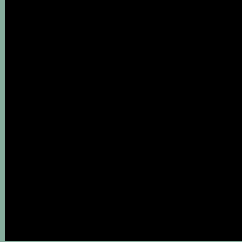
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

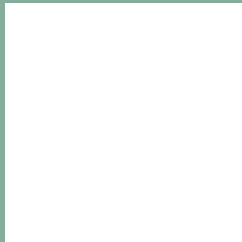
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9737, 0.2926, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 36.9737, 0.2926, 0.3537.

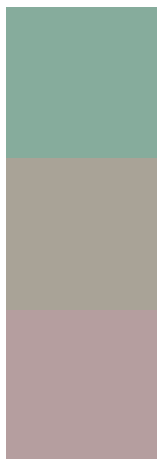


This preview shows how white text looks on a background with the Yxy color 36.9737, 0.2926, 0.3537.

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

36.9737, 0.2926, 0.3537

Protanopia

36.8638, 0.3292, 0.3463

Deuteranopia

36.7807, 0.3345, 0.3277



Tritanopia

36.8716, 0.2767, 0.3083

Trichromacy



Original Color

36.9737, 0.2926, 0.3537

Protanomaly

36.6403, 0.3146, 0.3483

Deuteranomaly

36.5555, 0.3181, 0.3363

Tritanomaly

36.7114, 0.2819, 0.3229

Monochromacy



Original Color

36.9737, 0.2926, 0.3537

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.5036, 0.3049, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9737, 0.2926, 0.3537 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(134, 172, 156)` looks like.

```
.text, #text, p{  
  color:rgb(134, 172, 156)  
}
```

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(134, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 172, 156) }
```

Border

The CSS property to change the border of an element to Yxy 36.9737, 0.2926, 0.3537 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(134, 172, 156) }
```

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

```
.border{ border-color:rgb(134, 172, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 172, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(134, 172,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9737, 0.2926, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 172, 156) }
```

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

```
.background{ background-color: rgb(134,  
172, 156) }
```

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