

Converting Colors

$Yxy(37.7208, 0.2986, 0.3732)$

Have a look what the booklet for
Yxy(37.7208, 0.2986, 0.3732)
contains.

Yxy(37.7531, 0.2988, 0.3726)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7531, 0.2988, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	85AF93
RGB	133, 175, 147
RGB Percent	52%, 69%, 58%
CMY	0.4782, 0.3138, 0.4235
CMYK	0.24, 0.00, 0.16, 0.31
HSL	140°, 21%, 60%
HSV	140°, 24%, 69%
XYZ	30.2754, 37.7531, 33.2949
YIQ	159.2500, -16.0440, -17.6120

Conversions

Conversions Part 2

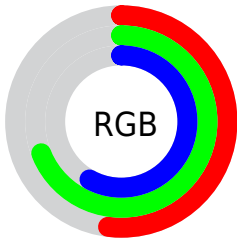
Format	Color
RYB	133, 165, 175
Decimal	8761235
CIELab	67.84, -19.90, 9.81
CIELCh	68, 22.186, 153.766
Yxy	37.7531, 0.2988, 0.3726
Android (android.graphics.Color)	4286951315 (0xFF85AF93)
YUV	159.2500, -6.0393, -23.0212
Hunter-Lab	61.4436, -19.5729, 10.8826

Details

The Yxy color **37.7531, 0.2988, 0.3726** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.4778, 0.3300, 0.2891**, and the grayscale version is **34.8303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9337, 0.3018, 0.3641**, and **16.5574, 0.2939, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **36.0980, 0.2935, 0.3943**, and if you desaturate by 10%, it is **39.6859, 0.3045, 0.3530**.

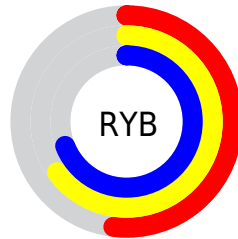
Distribution



Red (52%)

Green (69%)

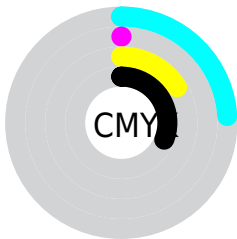
Blue (58%)



Red (52%)

Yellow (65%)

Blue (69%)

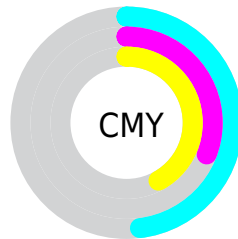


Cyan (24%)

Magenta (0%)

Yellow (16%)

Black (31%)



Cyan (48%)


Magenta (31%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7531, 0.2988, 0.3726 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 37.7531, 0.2988, 0.3726 by changing the saturation by 10% instead.

 37.7531, 0.2988,
0.3726


 37.7531, 0.2988,
0.3726


336.5596, 0.3063,
0.3494


 25.7911, 0.2967,
0.3789


 71.7295, 0.3017,
0.3638

 16.6674, 0.2939,
0.3873


 94.5128, 0.3027,
0.3606

 9.9977, 0.2899,
0.3992

 121.6719, 0.3036,
0.3580

 5.3974, 0.2838,
0.4170

153.5914, 0.3043,
0.3557

 2.4823, 0.2734,
0.4466

190.6554, 0.3049,
0.3538

 0.8677, 0.2312,
0.5920

233.2486, 0.3054,

 0.0000, 0.0000,

0.3521

0.0000

281.7552, 0.3059,
0.3507

■ 37.7531, 0.2988,
0.3726

■ 37.7531, 0.2988,
0.3726

■ 36.0980, 0.2935,
0.3943

■ 39.6859, 0.3045,
0.3530

■ 34.7031, 0.2887,
0.4177

■ 41.9037, 0.3104,
0.3354

■ 33.5559, 0.2850,
0.4426

■ 44.4192, 0.3162,
0.3199

■ 32.6413, 0.2825,
0.4681

■ 47.2433, 0.3220,
0.3062

■ 31.9424, 0.2815,
0.4934

■ 50.3859, 0.3275,
0.2942

■ 31.4396, 0.2822,
0.5175

■ 53.8568, 0.3327,
0.2838

■ 31.1098, 0.2846,
0.5391

■ 57.5609, 0.3372,
0.2747

■ 30.9646, 0.2863,
0.5508

■ 58.2346, 0.3277,
0.2637

■ 58.9530, 0.3186,
0.2533

Harmonies

Analogous

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



37.7531, 0.3320, 0.3877



37.7531, 0.2988, 0.3726



37.7531, 0.2703, 0.3438

Triad

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



37.7531, 0.2988, 0.3726



37.7531, 0.2649, 0.2754



37.7531, 0.3758, 0.3405

Complementary

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



37.7531, 0.2988, 0.3726



28.4778, 0.3300, 0.2891

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.



37.7531, 0.3559, 0.3133



37.7531, 0.2988, 0.3726



37.7531, 0.2910, 0.2768

Square

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



37.7531, 0.2988, 0.3726



37.7531, 0.2516, 0.2875



37.7531, 0.3243, 0.2905



37.7531, 0.3775, 0.3665

Rectangle

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



37.7531, 0.2988, 0.3726



37.7531, 0.2575, 0.3223



37.7531, 0.3243, 0.2905



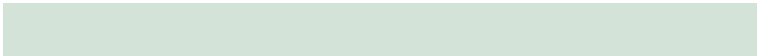
37.7531, 0.3710, 0.3312

Sweetspot

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



37.7547, 0.2988, 0.3726



73.7449, 0.3085, 0.3407



40.0034, 0.3356, 0.3902



16.3384, 0.3082, 0.3417



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.7547, 0.2988, 0.3726



65.9217, 0.2958, 0.3844



38.4494, 0.2835, 0.3406



8.9817, 0.3072, 0.3445



22.1872, 0.2857, 0.5487



0.6275, 0.2678, 0.4839

Inverse Universe

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



28.4778, 0.3300, 0.2891



46.2704, 0.3350, 0.2795



27.8184, 0.3526, 0.3178



8.1021, 0.3186, 0.3140



7.4550, 0.4250, 0.2115



0.2170, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 37.7531, 0.2988, 0.3726 looks on a white background.

Color Contrast Check

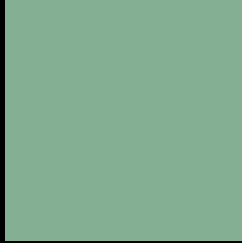
Large Text (above 18pt) WCAG AA × Fail

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 37.7531, 0.2988, 0.3726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

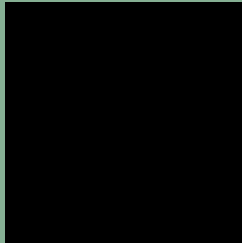
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7531, 0.2988, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 37.7531, 0.2988, 0.3726.



This preview shows how white text looks on a background with the Yxy color 37.7531, 0.2988, 0.3726.

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

37.7531, 0.2988, 0.3726

Protanopia

37.3881, 0.3412, 0.3605

Deuteranopia

37.4374, 0.3479, 0.3414



Tritanopia

37.7438, 0.2770, 0.3099

Trichromacy



Original Color

37.7531, 0.2988, 0.3726

Protanomaly

37.2880, 0.3240, 0.3646

Deuteranomaly

37.2957, 0.3287, 0.3521

Tritanomaly

37.7257, 0.2844, 0.3319

Monochromacy



Original Color

37.7531, 0.2988, 0.3726

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.7609, 0.3074, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7531, 0.2988, 0.3726 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, 175, 147)` looks like.

```
.text, #text, p{  
    color:rgb(133, 175, 147)  
}
```

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, 175, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 175, 147) }
```

Border

The CSS property to change the border of an element to Yxy 37.7531, 0.2988, 0.3726 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, 175, 147) }
```

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

```
.border{ border-color:rgb(133, 175, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 175, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 175, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 175, 147);  
box-shadow:4px 4px 4px 4px rgb(133, 175,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7531, 0.2988, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 175, 147) }
```

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

```
.background{ background-color: rgb(133,  
175, 147) }
```

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