

Converting Colors

$Yxy(37.8390, 0.2924, 0.3634)$

Have a look what the booklet for
Yxy(37.8390, 0.2924, 0.3634)
contains.

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Color

Yxy(37.7851, 0.2925, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	83AF99
RGB	131, 175, 153
RGB Percent	51%, 69%, 60%
CMY	0.4864, 0.3137, 0.3999
CMYK	0.25, 0.00, 0.13, 0.31
HSL	150°, 22%, 60%
HSV	150°, 25%, 69%
XYZ	30.4383, 37.7851, 35.8391
YIQ	159.3360, -19.1620, -16.1700

Conversions

Conversions Part 2

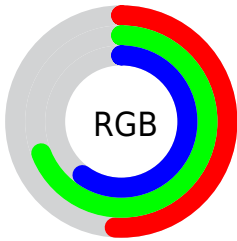
Format	Color
RYB	131, 160, 175
Decimal	8630169
CIELab	67.86, -19.39, 6.50
CIElCh	68, 20.452, 161.470
Yxy	37.7851, 0.2925, 0.3631
Android (android.graphics.Color)	4286820249 (0xFF83AF99)
YUV	159.3360, -3.1236, -24.8507
Hunter-Lab	61.4696, -19.1828, 8.4604

Details

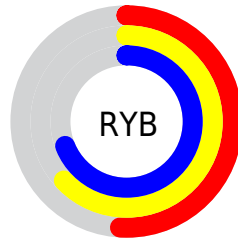
The Yxy color **37.7851, 0.2925, 0.3631** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.6377, 0.3393, 0.2973**, and the grayscale version is **34.8530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9711, 0.2969, 0.3570**, and **16.5838, 0.2856, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **36.2275, 0.2853, 0.3792**, and if you desaturate by 10%, it is **39.6030, 0.3003, 0.3485**.

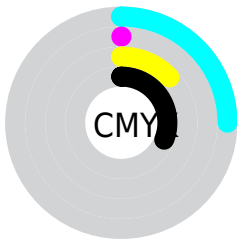
Distribution



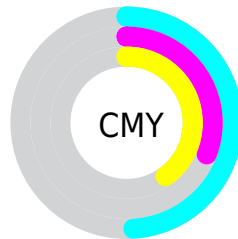
- Red (51%)
- Green (69%)
- Blue (60%)



- Red (51%)
- Yellow (63%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7851, 0.2925, 0.3631 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 37.7851, 0.2925, 0.3631 by changing the saturation by 10% instead.


 37.7851, 0.2925,
0.3631


 37.7851, 0.2925,
0.3631


336.6972, 0.3032,
0.3451

 25.8159, 0.2896,
0.3680


 71.7786, 0.2965,
0.3563

 16.6860, 0.2859,
0.3744

 94.5718, 0.2980,
0.3538

 10.0109, 0.2806,
0.3835


 121.7418, 0.2992,
0.3517

 5.4062, 0.2728,
0.3971

153.6729, 0.3002,
0.3500

 2.4875, 0.2600,
0.4195

190.7496, 0.3011,
0.3485

 0.8704, 0.2060,
0.5068

233.3563, 0.3019,

 0.0000, 0.0000,

0.3472

0.0000

281.8774, 0.3026,
0.3461

■ 37.7851, 0.2925,
0.3631

■ 37.7851, 0.2925,
0.3631

■ 36.2275, 0.2853,
0.3792

■ 39.6030, 0.3003,
0.3485

■ 34.9131, 0.2790,
0.3965

■ 41.6879, 0.3085,
0.3353

■ 33.8302, 0.2739,
0.4149

■ 44.0522, 0.3167,
0.3235

■ 32.9642, 0.2703,
0.4341

■ 46.7060, 0.3249,
0.3130

■ 32.2985, 0.2686,
0.4535

■ 49.6588, 0.3330,
0.3038

■ 31.8143, 0.2687,
0.4727

■ 52.9200, 0.3408,
0.2957

■ 31.4883, 0.2708,
0.4911

■ 56.4983, 0.3483,
0.2887

■ 31.3619, 0.2722,
0.4997

■ 57.2450, 0.3422,
0.2803

■ 57.7281, 0.3349,
0.2719

Harmonies

Analogous

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



37.7851, 0.3228, 0.3809



37.7851, 0.2925, 0.3631



37.7851, 0.2684, 0.3351

Triad

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



37.7851, 0.2925, 0.3631



37.7851, 0.2738, 0.2785



37.7851, 0.3729, 0.3464

Complementary

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



37.7851, 0.2925, 0.3631



27.6377, 0.3393, 0.2973

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.



37.7851, 0.3585, 0.3208



37.7851, 0.2925, 0.3631



37.7851, 0.3003, 0.2829

Square

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



37.7851, 0.2925, 0.3631



37.7851, 0.2580, 0.2867



37.7851, 0.3315, 0.2981



37.7851, 0.3701, 0.3691

Rectangle

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



37.7851, 0.2925, 0.3631



37.7851, 0.2587, 0.3157



37.7851, 0.3315, 0.2981



37.7851, 0.3699, 0.3379

Sweetspot

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



37.7867, 0.2925, 0.3631



73.4923, 0.3060, 0.3390



39.0719, 0.3292, 0.3950



16.2090, 0.3048, 0.3410



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.



37.7867, 0.2925, 0.3631



66.1170, 0.2885, 0.3715



38.5811, 0.2764, 0.3289



9.0038, 0.3051, 0.3405



22.4697, 0.2716, 0.4977



0.6361, 0.2560, 0.4417

Inverse Universe

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



27.6377, 0.3393, 0.2973



44.9158, 0.3466, 0.2902



26.9775, 0.3647, 0.3292



8.0795, 0.3211, 0.3177



7.0359, 0.4930, 0.2489



0.2068, 0.4278, 0.2131

Previews

White Background



This preview shows how the Yxy color 37.7851, 0.2925, 0.3631 looks on a white background.

Color Contrast Check

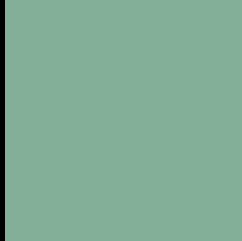
Large Text (above 18pt) WCAG AA × Fail

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 37.7851, 0.2925, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

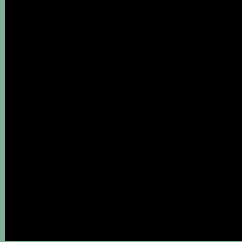
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

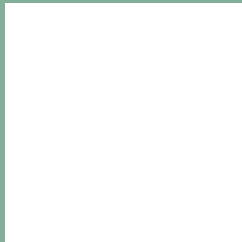
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7851, 0.2925, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 37.7851, 0.2925, 0.3631.



This preview shows how white text looks on a background with the Yxy color 37.7851, 0.2925, 0.3631.

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

37.7851, 0.2925, 0.3631

Protanopia

37.4282, 0.3356, 0.3533

Deuteranopia

37.3869, 0.3401, 0.3332



Tritanopia

37.9049, 0.2741, 0.3099

Trichromacy



Original Color

37.7851, 0.2925, 0.3631

Protanomaly

37.3433, 0.3188, 0.3571

Deuteranomaly

37.2762, 0.3215, 0.3435

Tritanomaly

37.6731, 0.2806, 0.3274

Monochromacy



Original Color

37.7851, 0.2925, 0.3631

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.7341, 0.3048, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7851, 0.2925, 0.3631 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(131, 175, 153)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 153)  
}
```

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(131, 175, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 153) }
```

Border

The CSS property to change the border of an element to Yxy 37.7851, 0.2925, 0.3631 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(131, 175, 153) }
```

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

```
.border{ border-color:rgb(131, 175, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 153);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7851, 0.2925, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 153) }
```

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

```
.background{ background-color: rgb(131,  
175, 153) }
```

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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