

Converting Colors

$Y_{xy}(37.7312, 0.3051, 0.2915)$

Have a look what the booklet for
Yxy(37.7312, 0.3051, 0.2915)
contains.

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Color

Yxy(37.7312, 0.3051, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	B19FBB
RGB	177, 159, 187
RGB Percent	69%, 62%, 73%
CMY	0.3061, 0.3764, 0.2667
CMYK	0.05, 0.15, 0.00, 0.27
HSL	278°, 17%, 68%
HSV	278°, 15%, 73%
XYZ	39.4916, 37.7312, 52.2153
YIQ	167.5740, 1.7400, 12.5240

Conversions

Conversions Part 2

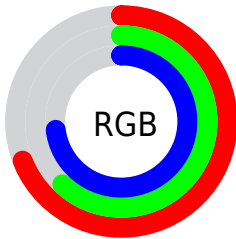
Format	Color
RYB	177, 159, 187
Decimal	11640763
CIELab	67.82, 11.80, -12.03
CIELCh	68, 16.847, 314.453
Yxy	37.7312, 0.3051, 0.2915
Android (android.graphics.Color)	4289830843 (0xFFB19FBB)
YUV	167.5740, 9.5770, 8.2666
Hunter-Lab	61.4257, 7.2654, -7.4018

Details

The Yxy color **37.7312, 0.3051, 0.2915** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.4873, 0.3193, 0.3674**, and the grayscale version is **38.8885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8878, 0.3070, 0.2989**, and **16.7314, 0.3019, 0.2810** is the 20% darker color. If you saturate the color by 10%, you get **31.0106, 0.2989, 0.2646**, and if you desaturate by 10%, it is **45.4668, 0.3104, 0.3170**.

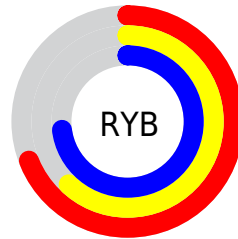
Distribution



Red (69%)

Green (62%)

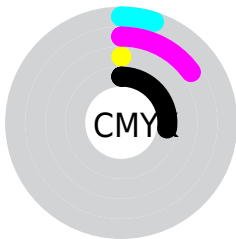
Blue (73%)



Red (69%)

Yellow (62%)

Blue (73%)

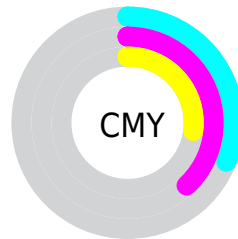


Cyan (5%)

Magenta (15%)

Yellow (0%)

Black (27%)



Cyan (31%)


Magenta (38%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7312, 0.3051, 0.2915 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 37.7312, 0.3051, 0.2915 by changing the saturation by 10% instead.

 37.7312, 0.3051,
0.2915


 37.7312, 0.3051,
0.2915


336.4655, 0.3092,
0.3104

 25.7741, 0.3040,
0.2867


 71.6960, 0.3067,
0.2984

 16.6547, 0.3025,
0.2806

 94.4724, 0.3072,
0.3010

 9.9886, 0.3003,
0.2723


121.6242, 0.3077,
0.3032

 5.3914, 0.2972,
0.2607

153.5355, 0.3081,
0.3051

 2.4787, 0.2920,
0.2432

190.5910, 0.3084,
0.3067

 0.8659, 0.2821,
0.2141

233.1748, 0.3087,

 0.0000, 0.0924,

0.3081


0.0000


281.6715, 0.3090,
0.3093

 0.0000, 0.0000,
0.0000


 37.7312, 0.3051,
0.2915


 37.7312, 0.3051,
0.2915


 31.0106, 0.2989,
0.2646


 45.4668, 0.3104,
0.3170


 25.2562, 0.2917,
0.2369


 54.2539, 0.3149,
0.3407


 20.4219, 0.2836,
0.2092

 64.1331, 0.3185,
0.3625

 16.4564, 0.2747,
0.1827

 75.1415, 0.3215,
0.3824

 13.3028, 0.2653,
0.1584

 87.3143, 0.3240,
0.4003

■ 10.8975, 0.2556,
0.1376

■ 89.8958, 0.3280,
0.4017

■ 9.1669, 0.2460,
0.1213

■ 90.9471, 0.3324,
0.4007

■ 8.0218, 0.2368,
0.1100

■ 92.0407, 0.3368,
0.3996

■ 7.5716, 0.2323,
0.1054

■ 93.1772, 0.3413,
0.3986

Harmonies

Analogous

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



37.7312, 0.2824, 0.2870



37.7312, 0.3051, 0.2915



37.7312, 0.3308, 0.3050

Triad

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



37.7312, 0.3051, 0.2915



37.7312, 0.3590, 0.3639



37.7312, 0.2745, 0.3318

Complementary

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



37.7312, 0.3051, 0.2915



46.4873, 0.3193, 0.3674

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.



37.7312, 0.2938, 0.3549



37.7312, 0.3051, 0.2915



37.7312, 0.3427, 0.3734

Square

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



37.7312, 0.3051, 0.2915



37.7312, 0.3626, 0.3458



37.7312, 0.3187, 0.3705



37.7312, 0.2653, 0.3090

Rectangle

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



37.7312, 0.3051, 0.2915



37.7312, 0.3459, 0.3176



37.7312, 0.3187, 0.3705



37.7312, 0.2800, 0.3398

Sweetspot

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



37.7328, 0.3051, 0.2915



82.7658, 0.3108, 0.3192



39.4409, 0.2894, 0.3043



17.9781, 0.3105, 0.3173



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.7328, 0.3051, 0.2915



63.3748, 0.3031, 0.2827



38.7981, 0.3177, 0.2973



9.5203, 0.3082, 0.3060



5.2586, 0.2334, 0.1059



0.2415, 0.2547, 0.1177

Inverse Universe

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



38.2349, 0.3307, 0.3156



64.4755, 0.3355, 0.3125



45.5495, 0.3081, 0.3630



9.5915, 0.3233, 0.3208



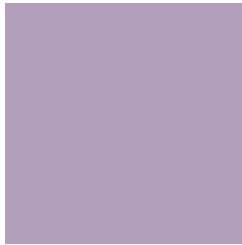
7.5722, 0.5513, 0.2810



0.3093, 0.4845, 0.2442

Previews

White Background



This preview shows how the Yxy color 37.7312, 0.3051, 0.2915 looks on a white background.

Color Contrast Check

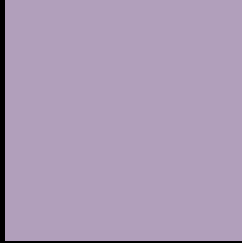
Large Text (above 18pt) WCAG AA × Fail

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 37.7312, 0.3051, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

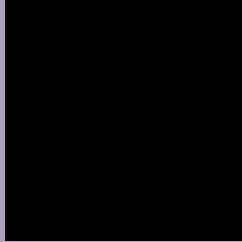
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7312, 0.3051, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 37.7312, 0.3051, 0.2915.



This preview shows how white text looks on a background with the Yxy color 37.7312, 0.3051, 0.2915.

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

37.7312, 0.3051, 0.2915

Protanopia

37.8457, 0.2885, 0.2930

Deuteranopia

37.7355, 0.2997, 0.2936



Tritanopia

37.6597, 0.3145, 0.3112

Trichromacy



Original Color

37.7312, 0.3051, 0.2915

Protanomaly

37.7303, 0.2945, 0.2920

Deuteranomaly

37.6137, 0.3015, 0.2924

Tritanomaly

37.6264, 0.3111, 0.3032

Monochromacy



Original Color

37.7312, 0.3051, 0.2915

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.6633, 0.3097, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7312, 0.3051, 0.2915 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(177, 159, 187)` looks like.

```
.text, #text, p{  
    color:rgb(177, 159, 187)  
}
```

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(177, 159, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 159, 187) }
```

Border

The CSS property to change the border of an element to Yxy 37.7312, 0.3051, 0.2915 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(177, 159, 187) }
```

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

```
.border{ border-color:rgb(177, 159, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 159, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 159, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 159, 187);  
box-shadow:4px 4px 4px 4px rgb(177, 159,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7312, 0.3051, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 159, 187) }
```

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

```
.background{ background-color: rgb(177,  
159, 187) }
```

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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