

Converting Colors

$Y_{xy}(37.2688, 0.2839, 0.2539)$

Have a look what the booklet for
Yxy(37.2688, 0.2839, 0.2539)
contains.

Yxy(37.2624, 0.2838, 0.2536)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2624, 0.2838, 0.2536)

Conversions

Conversions Part 1

Format	Color
Hex	B19AD5
RGB	177, 154, 213
RGB Percent	69%, 60%, 84%
CMY	0.3059, 0.3961, 0.1645
CMYK	0.17, 0.28, 0.00, 0.16
HSL	263°, 41%, 72%
HSV	263°, 28%, 84%
XYZ	41.6998, 37.2624, 67.9716
YIQ	167.6030, -5.2310, 23.2250

Conversions

Conversions Part 2

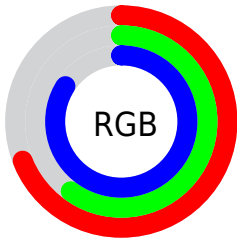
Format	Color
RYB	177, 154, 213
Decimal	11639509
CIELab	67.47, 20.13, -27.01
CIELCh	67, 33.686, 306.695
Yxy	37.2624, 0.2838, 0.2536
Android (android.graphics.Color)	4289829589 (0xFFB19AD5)
YUV	167.6030, 22.3807, 8.2412
Hunter-Lab	61.0429, 15.1122, -23.2896

Details

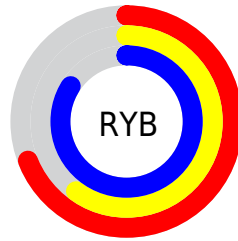
The Yxy color **37.2624, 0.2838, 0.2536** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.8952, 0.3360, 0.4022**, and the grayscale version is **38.8445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6554, 0.2992, 0.2809**, and **16.4542, 0.2750, 0.2341** is the 20% darker color. If you saturate the color by 10%, you get **29.3893, 0.2706, 0.2229**, and if you desaturate by 10%, it is **46.5321, 0.2956, 0.2828**.

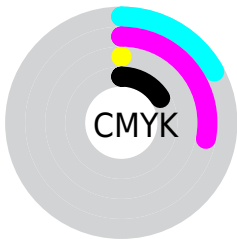
Distribution



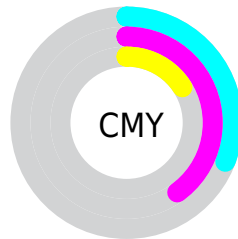
- Red (69%)
- Green (60%)
- Blue (84%)



- Red (69%)
- Yellow (60%)
- Blue (84%)



- Cyan (17%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)





- Cyan (31%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2624, 0.2838, 0.2536 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 37.2624, 0.2838, 0.2536 by changing the saturation by 10% instead.


 37.2624, 0.2838,
0.2536


 37.2624, 0.2838,
0.2536


334.4452, 0.2992,
0.2906

 25.4107, 0.2797,
0.2446


 70.9762, 0.2896,
0.2669

 16.3833, 0.2744,
0.2333


 93.6071, 0.2917,
0.2719

 9.7958, 0.2671,
0.2186


120.5998, 0.2935,
0.2762

 5.2638, 0.2565,
0.1987

152.3388, 0.2949,
0.2799

 2.4029, 0.2404,
0.1709

189.2084, 0.2962,
0.2831

 0.8274, 0.2132,
0.1299

231.5931, 0.2973,

 0.0000, 0.1156,

0.2859

0.0000

279.8772, 0.2983,
0.2884

0.0000, 0.0000,
0.0000

37.2624, 0.2838,
0.2536

37.2624, 0.2838,
0.2536

29.3893, 0.2706,
0.2229

46.5321, 0.2956,
0.2828

22.8382, 0.2561,
0.1917

57.2589, 0.3058,
0.3098

17.5343, 0.2407,
0.1613

69.5050, 0.3146,
0.3344

13.3932, 0.2250,
0.1335

83.3280, 0.3221,
0.3566

10.3197, 0.2099,
0.1098

95.2087, 0.3290,
0.3712

■ 8.2026, 0.1961,
0.0918

■ 97.5861, 0.3375,
0.3700

■ 6.8876, 0.1843,
0.0798

■ 6.6436, 0.1819,
0.0776

Harmonies

Analogous

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



37.2624, 0.2442, 0.2487



37.2624, 0.2838, 0.2536



37.2624, 0.3347, 0.2749

Triad

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



37.2624, 0.2838, 0.2536



37.2624, 0.4098, 0.3866



37.2624, 0.2454, 0.3461

Complementary

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



37.2624, 0.2838, 0.2536



60.8952, 0.3360, 0.4022

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.



37.2624, 0.2858, 0.3938



37.2624, 0.2838, 0.2536



37.2624, 0.3813, 0.4146

Square

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



37.2624, 0.2838, 0.2536



37.2624, 0.4109, 0.3480



37.2624, 0.3355, 0.4196



37.2624, 0.2235, 0.2972

Rectangle

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



37.2624, 0.2838, 0.2536



37.2624, 0.3681, 0.2962



37.2624, 0.3355, 0.4196



37.2624, 0.2572, 0.3632

Sweetspot

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



37.2639, 0.2838, 0.2536



85.3816, 0.3055, 0.3088



48.6804, 0.2697, 0.2994



17.7227, 0.3040, 0.3049



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.2639, 0.2838, 0.2536



49.0731, 0.2765, 0.2365



41.0612, 0.3097, 0.2592



12.2422, 0.3042, 0.3053



4.1115, 0.1833, 0.0784



0.2951, 0.2030, 0.0892

Inverse Universe

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



40.9834, 0.3369, 0.2858



55.6154, 0.3433, 0.2767



57.5074, 0.3139, 0.4074



12.5469, 0.3197, 0.3149



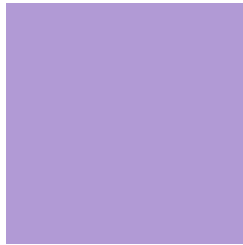
9.6470, 0.4488, 0.2246



0.5979, 0.4209, 0.2092

Previews

White Background



This preview shows how the Yxy color 37.2624, 0.2838, 0.2536 looks on a white background.

Color Contrast Check

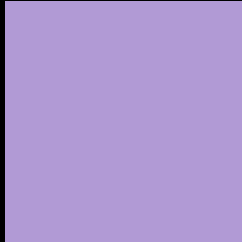
Large Text (above 18pt) WCAG AA × Fail

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 37.2624, 0.2838, 0.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

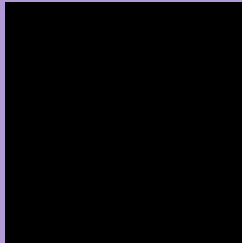
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2624, 0.2838, 0.2536

Background



This preview shows how black text looks on a background with the Yxy color 37.2624, 0.2838, 0.2536.



This preview shows how white text looks on a background with the Yxy color 37.2624, 0.2838, 0.2536.

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

37.2624, 0.2838, 0.2536

Protanopia

37.2510, 0.2573, 0.2528

Deuteranopia

37.2118, 0.2671, 0.2606



Tritanopia

37.0918, 0.3098, 0.3109

Trichromacy



Original Color

37.2624, 0.2838, 0.2536

Protanomaly

37.1770, 0.2665, 0.2526

Deuteranomaly

36.9937, 0.2731, 0.2577

Tritanomaly

36.9688, 0.3006, 0.2884

Monochromacy



Original Color

37.2624, 0.2838, 0.2536

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.3130, 0.3021, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2624, 0.2838, 0.2536 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, 154, 213)` looks like.

```
.text, #text, p{  
    color:rgb(177, 154, 213)  
}
```

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, 154, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 154, 213) }
```

Border

The CSS property to change the border of an element to Yxy 37.2624, 0.2838, 0.2536 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, 154, 213) }
```

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

```
.border{ border-color:rgb(177, 154, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 154, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 154, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 154, 213);  
box-shadow:4px 4px 4px 4px rgb(177, 154,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2624, 0.2838, 0.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 154, 213) }
```

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

```
.background{ background-color: rgb(177,  
154, 213) }
```

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