

Converting Colors

$Y_{xy}(40.6497, 0.2324, 0.1709)$

Have a look what the booklet for
Yxy(40.6497, 0.2324, 0.1709)
contains.

Yxy(37.4811, 0.2563, 0.2037)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4811, 0.2563, 0.2037)

Conversions

Conversions Part 1

Format	Color
Hex	B492FF
RGB	180, 146, 255
RGB Percent	71%, 57%, 100%
CMY	0.2939, 0.4275, 0.0000
CMYK	0.29, 0.43, 0.00, 0.00
HSL	259°, 100%, 79%
HSV	259°, 43%, 100%
XYZ	47.1596, 37.4811, 99.3608
YIQ	168.5920, -14.7250, 41.1070

Conversions

Conversions Part 2

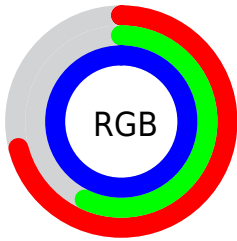
Format	Color
RYB	180, 146, 255
Decimal	11834111
CIELab	67.64, 35.33, -49.79
CIELCh	68, 61.053, 305.361
Yxy	37.4811, 0.2563, 0.2037
Android (android.graphics.Color)	4290024191 (0xFFB492FF)
YUV	168.5920, 42.5991, 10.0048
Hunter-Lab	61.2218, 30.3616, -53.3703

Details

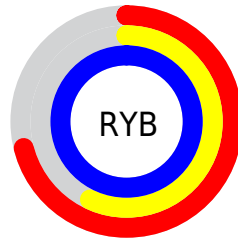
The Yxy color **37.4811, 0.2563, 0.2037** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.9571, 0.3531, 0.4440**, and the grayscale version is **39.2582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7057, 0.3028, 0.2731**, and **16.5467, 0.2389, 0.1750** is the 20% darker color. If you saturate the color by 10%, you get **28.5054, 0.2394, 0.1714**, and if you desaturate by 10%, it is **48.4782, 0.2721, 0.2360**.

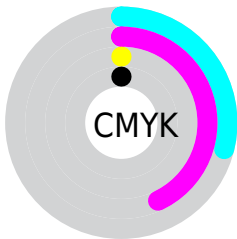
Distribution



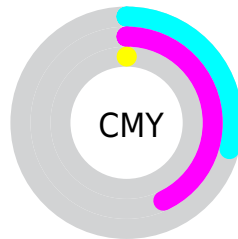
- Red (71%)
- Green (57%)
- Blue (100%)



- Red (71%)
- Yellow (57%)
- Blue (100%)



- Cyan (29%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4811, 0.2563, 0.2037 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 37.4811, 0.2563, 0.2037 by changing the saturation by 10% instead.


 37.4811, 0.2563,
0.2037


 37.4811, 0.2563,
0.2037


335.3888, 0.2858,
0.2618

 25.5802, 0.2488,
0.1907


 71.3121, 0.2672,
0.2237

 16.5099, 0.2393,
0.1750


 94.0110, 0.2712,
0.2315

 9.8857, 0.2268,
0.1557


121.0780, 0.2746,
0.2383

 5.3232, 0.2099,
0.1318

152.8975, 0.2775,
0.2442

 2.4381, 0.1862,
0.1018

189.8540, 0.2800,
0.2494

 0.8454, 0.1521,
0.0655

232.3318, 0.2822,


 0.0000, 0.1027,

0.2540


0.0000


280.7152, 0.2841,
0.2582


 0.0000, 0.0000,
0.0000


 37.4811, 0.2563,
0.2037


 37.4811, 0.2563,
0.2037


 28.5054, 0.2394,
0.1714


 48.4782, 0.2721,
0.2360


 21.4199, 0.2222,
0.1407


 61.6098, 0.2864,
0.2671

 16.0829, 0.2054,
0.1138

 76.9844, 0.2990,
0.2959

 12.3300, 0.1903,
0.0925

 94.7023, 0.3100,
0.3222

 9.9638, 0.1775,
0.0778

100.0000, 0.3127,
0.3290

■ 8.9115, 0.1700,
0.0710

Harmonies

Analogous

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



37.4811, 0.1944, 0.1952



37.4811, 0.2563, 0.2037



37.4811, 0.3450, 0.2362

Triad

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



37.4811, 0.2563, 0.2037



37.4811, 0.4820, 0.4133



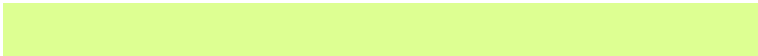
37.4811, 0.1972, 0.3611

Complementary

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



37.4811, 0.2563, 0.2037



88.9571, 0.3531, 0.4440

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.



37.4811, 0.2636, 0.4579



37.4811, 0.2563, 0.2037



37.4811, 0.4280, 0.4724

Square

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



37.4811, 0.2563, 0.2037



37.4811, 0.4883, 0.3485



37.4811, 0.3482, 0.4992



37.4811, 0.1640, 0.2696

Rectangle

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



37.4811, 0.2563, 0.2037



37.4811, 0.4077, 0.2687



37.4811, 0.3482, 0.4992



37.4811, 0.2160, 0.3958

Sweetspot

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



37.4822, 0.2563, 0.2037



76.5735, 0.2987, 0.2952



65.7293, 0.2481, 0.2906



15.6239, 0.2961, 0.2891



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.



37.4822, 0.2563, 0.2037



29.9368, 0.2424, 0.1770



45.1299, 0.2992, 0.2178



17.6530, 0.3028, 0.3048



4.7257, 0.1715, 0.0719



0.5152, 0.1834, 0.0784

Inverse Universe

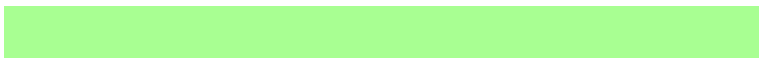
The Inverse Universe completely reimagines the original color for something new.



47.0302, 0.3478, 0.2534



40.7883, 0.3572, 0.2398



81.8964, 0.3188, 0.4577



18.1981, 0.3186, 0.3128



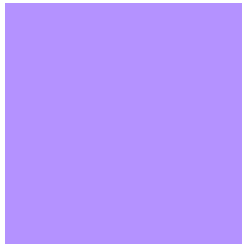
12.7609, 0.4196, 0.2085



1.2622, 0.4055, 0.2008

Previews

White Background



This preview shows how the Yxy color 37.4811, 0.2563, 0.2037 looks on a white background.

Color Contrast Check

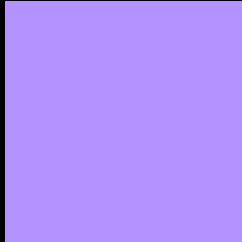
Large Text (above 18pt) WCAG AA × Fail

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 37.4811, 0.2563, 0.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

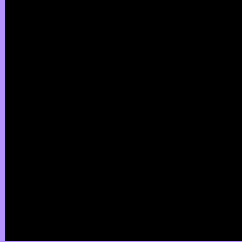
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4811, 0.2563, 0.2037

Background



This preview shows how black text looks on a background with the Yxy color 37.4811, 0.2563, 0.2037.



This preview shows how white text looks on a background with the Yxy color 37.4811, 0.2563, 0.2037.

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

37.4811, 0.2563, 0.2037

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

37.7269, 0.2245, 0.2180



Tritanopia

37.3283, 0.3034, 0.3107

Trichromacy



Original Color

37.4811, 0.2563, 0.2037

Protanomaly

37.2928, 0.2354, 0.2083

Deuteranomaly

37.0715, 0.2346, 0.2115

Tritanomaly

37.0678, 0.2842, 0.2656

Monochromacy



Original Color

37.4811, 0.2563, 0.2037

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.5441, 0.2909, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4811, 0.2563, 0.2037 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(180, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 146, 255)  
}
```

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(180, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.4811, 0.2563, 0.2037 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(180, 146, 255) }
```

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

```
.border{ border-color:rgb(180, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4811, 0.2563, 0.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 146, 255) }
```

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

```
.background{ background-color: rgb(180,  
146, 255) }
```

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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