

Converting Colors

$Y_{xy}(37.9298, 0.2555, 0.1977)$

Have a look what the booklet for
Yxy(37.9298, 0.2555, 0.1977)
contains.

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Color

Yxy(37.4808, 0.2599, 0.2028)

Conversions

Conversions Part 1

Format	Color
Hex	B990FF
RGB	185, 144, 255
RGB Percent	73%, 56%, 100%
CMY	0.2744, 0.4353, 0.0000
CMYK	0.27, 0.44, 0.00, 0.00
HSL	262°, 100%, 78%
HSV	262°, 44%, 100%
XYZ	48.0338, 37.4808, 99.3019
YIQ	168.9130, -11.1950, 43.2130

Conversions

Conversions Part 2

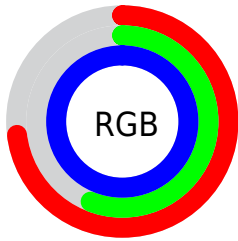
Format	Color
RYB	185, 144, 255
Decimal	12161279
CIELab	67.64, 37.76, -49.75
CIELCh	68, 62.462, 307.201
Yxy	37.4808, 0.2599, 0.2028
Android (android.graphics.Color)	4290351359 (0xFFB990FF)
YUV	168.9130, 42.4409, 14.1083
Hunter-Lab	61.2216, 32.9116, -53.3138

Details

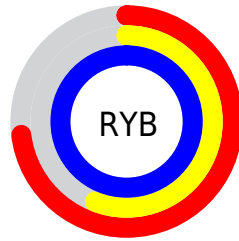
The Yxy color **37.4808, 0.2599, 0.2028** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.8174, 0.3495, 0.4479**, and the grayscale version is **39.4234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6629, 0.3065, 0.2717**, and **16.5730, 0.2434, 0.1742** is the 20% darker color. If you saturate the color by 10%, you get **28.7235, 0.2442, 0.1713**, and if you desaturate by 10%, it is **48.2111, 0.2745, 0.2345**.

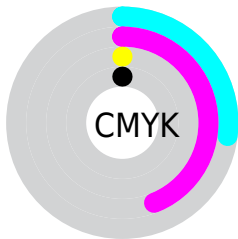
Distribution



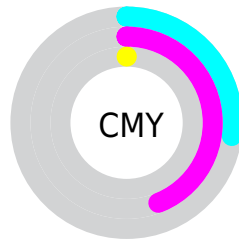
- Red (73%)
- Green (56%)
- Blue (100%)



- Red (73%)
- Yellow (56%)
- Blue (100%)



- Cyan (27%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4808, 0.2599, 0.2028 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 37.4808, 0.2599, 0.2028 by changing the saturation by 10% instead.

 37.4808, 0.2599,
0.2028


 37.4808, 0.2599,
0.2028


335.3875, 0.2878,
0.2612

 25.5800, 0.2528,
0.1898


 71.3116, 0.2702,
0.2228

 16.5097, 0.2437,
0.1741


 94.0104, 0.2740,
0.2307

 9.8855, 0.2317,
0.1549


121.0774, 0.2772,
0.2375

 5.3231, 0.2155,
0.1309

152.8968, 0.2800,
0.2435

 2.4381, 0.1925,
0.1012

189.8531, 0.2823,
0.2487

 0.8454, 0.1592,
0.0650

232.3307, 0.2844,

 0.0000, 0.1117,

0.2533

0.0000

280.7141, 0.2862,
0.2575

■ 0.0000, 0.0000,
0.0000

■ 37.4808, 0.2599,
0.2028

■ 37.4808, 0.2599,
0.2028

■ 28.7235, 0.2442,
0.1713

■ 48.2111, 0.2745,
0.2345

■ 21.8085, 0.2280,
0.1418

■ 61.0250, 0.2878,
0.2652

■ 16.5955, 0.2121,
0.1159

■ 76.0298, 0.2994,
0.2939

■ 12.9212, 0.1975,
0.0955

■ 93.3242, 0.3095,
0.3203

■ 10.5879, 0.1848,
0.0815

■ 99.9994, 0.3127,
0.3290

■ 9.6130, 0.1779,
0.0754

Harmonies

Analogous

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



37.4808, 0.1951, 0.1925



37.4808, 0.2599, 0.2028



37.4808, 0.3516, 0.2371

Triad

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



37.4808, 0.2599, 0.2028



37.4808, 0.4831, 0.4182



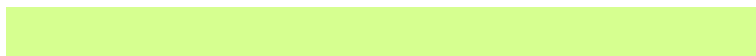
37.4808, 0.1917, 0.3551

Complementary

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



37.4808, 0.2599, 0.2028



87.8174, 0.3495, 0.4479

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.



37.4808, 0.2573, 0.4563



37.4808, 0.2599, 0.2028



37.4808, 0.4254, 0.4781

Square

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



37.4808, 0.2599, 0.2028



37.4808, 0.4935, 0.3523



37.4808, 0.3431, 0.5030



37.4808, 0.1603, 0.2634

Rectangle

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



37.4808, 0.2599, 0.2028



37.4808, 0.4154, 0.2707



37.4808, 0.3431, 0.5030



37.4808, 0.2101, 0.3908

Sweetspot

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



37.4822, 0.2599, 0.2028



76.8930, 0.3000, 0.2954



61.3895, 0.2454, 0.2807



15.7022, 0.2976, 0.2892



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, 0.2599, 0.2028



29.9425, 0.2466, 0.1761



45.7233, 0.3052, 0.2179



17.7047, 0.3037, 0.3048



5.1009, 0.1795, 0.0763



0.5562, 0.1919, 0.0831

Inverse Universe

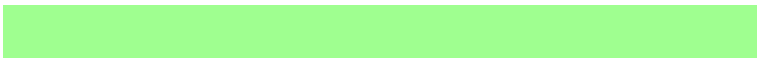
The Inverse Universe completely reimagines the original color for something new.



46.0563, 0.3548, 0.2580



39.7328, 0.3665, 0.2452



80.8774, 0.3145, 0.4621



18.1798, 0.3195, 0.3141



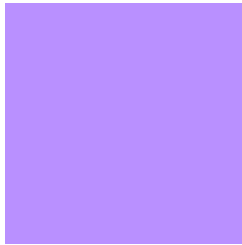
12.4783, 0.4421, 0.2209



1.2361, 0.4245, 0.2112

Previews

White Background



This preview shows how the Yxy color 37.4808, 0.2599, 0.2028 looks on a white background.

Color Contrast Check

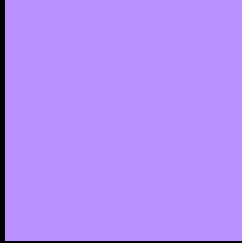
Large Text (above 18pt) WCAG AA × Fail

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 37.4808, 0.2599, 0.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

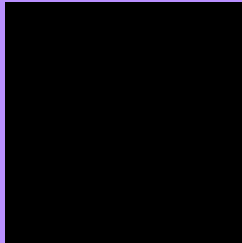
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4808, 0.2599, 0.2028

Background



This preview shows how black text looks on a background with the Yxy color 37.4808, 0.2599, 0.2028.



This preview shows how white text looks on a background with the Yxy color 37.4808, 0.2599, 0.2028.

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

37.4808, 0.2599, 0.2028

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

37.7269, 0.2245, 0.2180



Tritanopia

37.4819, 0.3089, 0.3109

Trichromacy



Original Color

37.4808, 0.2599, 0.2028



Protanomaly

37.1467, 0.2365, 0.2075



Deuteranomaly

37.2532, 0.2359, 0.2119



Tritanomaly

36.9163, 0.2892, 0.2649

Monochromacy



Original Color

37.4808, 0.2599, 0.2028



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.4257, 0.2926, 0.2764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4808, 0.2599, 0.2028 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(185, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 144, 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(185, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.4808, 0.2599, 0.2028 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(185, 144, 255) }
```

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

```
.border{ border-color:rgb(185, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 144, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 144, 255); box-shadow:4px 4px 4px 4px rgb(185, 144, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4808, 0.2599, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 144, 255) }
```

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

```
.background{ background-color: rgb(185,  
144, 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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