

Converting Colors

$Y_{xy}(37.6299, 0.2535, 0.2050)$

Have a look what the booklet for
Yxy(37.6299, 0.2535, 0.2050)
contains.

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Color

Yxy(37.6299, 0.2535, 0.2050)

Conversions

Conversions Part 1

Format	Color
Hex	B094FF
RGB	176, 148, 255
RGB Percent	69%, 58%, 100%
CMY	0.3100, 0.4195, 0.0001
CMYK	0.31, 0.42, 0.00, 0.00
HSL	256°, 100%, 79%
HSV	256°, 42%, 100%
XYZ	46.5326, 37.6299, 99.3980
YIQ	168.5700, -17.6590, 39.2130

Conversions

Conversions Part 2

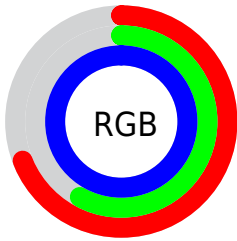
Format	Color
R _Y B	176, 148, 255
Decimal	11572479
CIE Lab	67.75, 33.09, -49.62
CIE LCh	68, 59.647, 303.699
Yxy	37.6299, 0.2535, 0.2050
Android (android.graphics.Color)	4289762559 (0xFFB094FF)
YUV	168.5700, 42.6100, 6.5161
Hunter-Lab	61.3432, 28.0526, -53.1308

Details

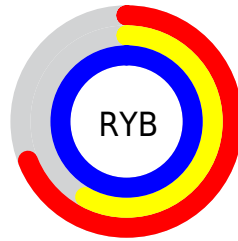
The Yxy color $37.6299, 0.2535, 0.2050$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $89.9833, 0.3562, 0.4404$, and the grayscale version is $39.2446, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.9535, 0.2999, 0.2747$, and $16.6197, 0.2356, 0.1762$ is the 20% darker color. If you saturate the color by 10%, you get $28.4473, 0.2357, 0.1719$, and if you desaturate by 10%, it is $48.8817, 0.2703, 0.2378$.

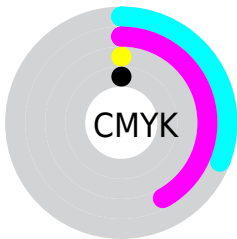
Distribution



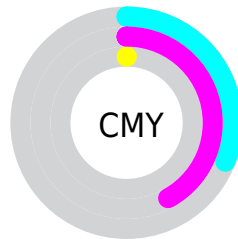
- Red (69%)
- Green (58%)
- Blue (100%)



- Red (69%)
- Yellow (58%)
- Blue (100%)



- Cyan (31%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6299, 0.2535, 0.2050 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 37.6299, 0.2535, 0.2050 by changing the saturation by 10% instead.


 37.6299, 0.2535,
0.2050


 37.6299, 0.2535,
0.2050


336.0297, 0.2843,
0.2627

 25.6956, 0.2458,
0.1921


 71.5405, 0.2648,
0.2249

 16.5960, 0.2359,
0.1765


 94.2856, 0.2690,
0.2326

 9.9469, 0.2230,
0.1572


121.4030, 0.2725,
0.2394

 5.3638, 0.2057,
0.1332

153.2773, 0.2756,
0.2452

 2.4622, 0.1815,
0.1033

190.2926, 0.2782,
0.2504

 0.8576, 0.1470,
0.0667

232.8336, 0.2805,


 0.0000, 0.0962,

0.2550

0.0000

281.2844, 0.2825,
0.2590


 0.0000, 0.0000,
0.0000


 37.6299, 0.2535,
0.2050

 37.6299, 0.2535,
0.2050


 28.4473, 0.2357,
0.1719


 48.8817, 0.2703,
0.2378


 21.2002, 0.2176,
0.1404


 62.3166, 0.2855,
0.2691


 15.7457, 0.2002,
0.1126

 78.0448, 0.2989,
0.2981

 11.9185, 0.1846,
0.0904

 96.1681, 0.3106,
0.3242

 9.5207, 0.1720,
0.0752

 99.9985, 0.3127,
0.3290

■ 8.3968, 0.1641,
0.0678

Harmonies

Analogous

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



37.6299, 0.1944, 0.1981



37.6299, 0.2535, 0.2050



37.6299, 0.3392, 0.2358

Triad

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



37.6299, 0.2535, 0.2050



37.6299, 0.4802, 0.4087



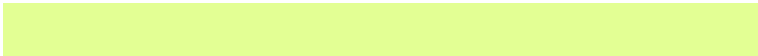
37.6299, 0.2026, 0.3661

Complementary

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



37.6299, 0.2535, 0.2050



89.9833, 0.3562, 0.4404

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.



37.6299, 0.2694, 0.4584



37.6299, 0.2535, 0.2050



37.6299, 0.4298, 0.4670

Square

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



37.6299, 0.2535, 0.2050



37.6299, 0.4828, 0.3451



37.6299, 0.3526, 0.4950



37.6299, 0.1679, 0.2753

Rectangle

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



37.6299, 0.2535, 0.2050



37.6299, 0.4007, 0.2671



37.6299, 0.3526, 0.4950



37.6299, 0.2217, 0.3996

Sweetspot

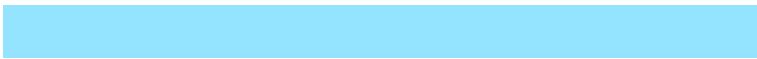
The Sweet Spot groups the original color and five complimentary colors.



37.6313, 0.2535, 0.2050



76.2897, 0.2976, 0.2951



69.1354, 0.2502, 0.2979



15.5544, 0.2947, 0.2889



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.



37.6313, 0.2535, 0.2050



30.0835, 0.2392, 0.1783



44.9400, 0.2951, 0.2185



17.6070, 0.3019, 0.3047



4.4491, 0.1655, 0.0685



0.4833, 0.1766, 0.0747

Inverse Universe

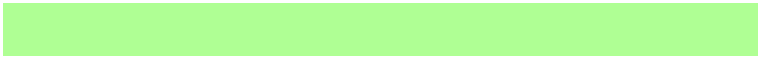
The Inverse Universe completely reimagines the original color for something new.



47.9928, 0.3418, 0.2497



41.8266, 0.3494, 0.2355



82.7307, 0.3220, 0.4537



18.2146, 0.3178, 0.3116



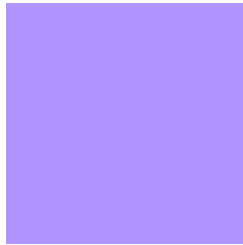
13.0413, 0.4005, 0.1980



1.2877, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 37.6299, 0.2535, 0.2050 looks on a white background.

Color Contrast Check

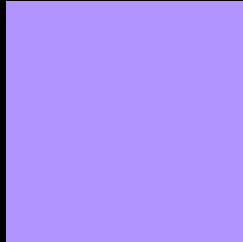
Large Text (above 18pt) WCAG AA × Fail

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 37.6299, 0.2535, 0.2050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

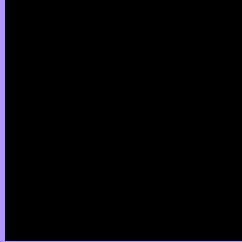
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6299, 0.2535, 0.2050

Background



This preview shows how black text looks on a background with the Yxy color 37.6299, 0.2535, 0.2050.



This preview shows how white text looks on a background with the Yxy color 37.6299, 0.2535, 0.2050.

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

37.6299, 0.2535, 0.2050

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

37.7269, 0.2245, 0.2180



Tritanopia

37.5982, 0.2973, 0.3106

Trichromacy



Original Color

37.6299, 0.2535, 0.2050

Protanomaly

37.5370, 0.2350, 0.2093

Deuteranomaly

37.2328, 0.2336, 0.2124

Tritanomaly

37.3595, 0.2801, 0.2666

Monochromacy



Original Color

37.6299, 0.2535, 0.2050

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.4305, 0.2900, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6299, 0.2535, 0.2050 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(176, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 148, 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(176, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6299, 0.2535, 0.2050 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(176, 148, 255) }
```

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

```
.border{ border-color:rgb(176, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6299, 0.2535, 0.2050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 148, 255) }
```

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

```
.background{ background-color: rgb(176,  
148, 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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