

Converting Colors

$Yxy(37.7325, 0.2634, 0.2028)$

Have a look what the booklet for
Yxy(37.7325, 0.2634, 0.2028)
contains.

| | |
|--|----|
| Yxy(37.8121, 0.2637, 0.2030) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(37.8121, 0.2637, 0.2030)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BE8FFF |
| RGB | 190, 143, 255 |
| RGB Percent | 75%, 56%, 100% |
| CMY | 0.2547, 0.4393, 0.0000 |
| CMYK | 0.25, 0.44, 0.00, 0.00 |
| HSL | 265°, 100%, 78% |
| HSV | 265°, 44%, 100% |
| XYZ | 49.1185, 37.8121, 99.3359 |
| YIQ | 169.8210, -7.9400, 44.7960 |

Conversions

Conversions Part 2

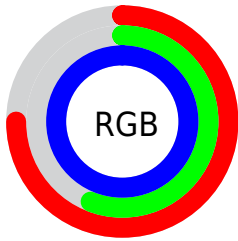
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 190, 143, 255 |
| Decimal | 12488703 |
| CIE _{Lab} | 67.88, 39.68, -49.35 |
| CIE _{LCh} | 68, 63.325, 308.802 |
| Yxy | 37.8121, 0.2637, 0.2030 |
| Android (android.graphics.Color) | 4290678783 (0xFFBE8FFF) |
| YUV | 169.8210, 41.9932, 17.6970 |
| Hunter-Lab | 61.4915, 34.9728, -52.7354 |

Details

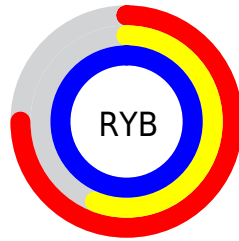
The Yxy color **37.8121, 0.2637, 0.2030** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.9029, 0.3459, 0.4506**, and the grayscale version is **39.8956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1090, 0.3102, 0.2713**, and **16.7998, 0.2483, 0.1749** is the 20% darker color. If you saturate the color by 10%, you get **29.1989, 0.2491, 0.1723**, and if you desaturate by 10%, it is **48.3582, 0.2773, 0.2341**.

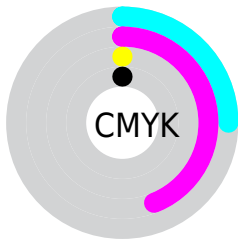
Distribution



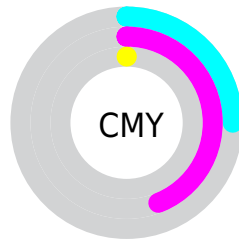
- Red (75%)
- Green (56%)
- Blue (100%)



- Red (75%)
- Yellow (56%)
- Blue (100%)



- Cyan (25%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8121, 0.2637, 0.2030 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 37.8121, 0.2637, 0.2030 by changing the saturation by 10% instead.


 37.8121, 0.2637,
0.2030


 37.8121, 0.2637,
0.2030


336.8132, 0.2897,
0.2611

 25.8369, 0.2570,
0.1901


 71.8200, 0.2734,
0.2229

 16.7017, 0.2484,
0.1745


 94.6216, 0.2769,
0.2308

 10.0220, 0.2371,
0.1554


121.8006, 0.2799,
0.2375

 5.4136, 0.2216,
0.1317

153.7417, 0.2825,
0.2435

 2.4919, 0.1997,
0.1021

190.8291, 0.2847,
0.2487

 0.8726, 0.1674,
0.0662

233.4472, 0.2866,

 0.0000, 0.1222,

0.2533

0.0000

281.9804, 0.2883,
0.2574

0.0000, 0.0000,
0.0000

37.8121, 0.2637,
0.2030

37.8121, 0.2637,
0.2030

29.1989, 0.2491,
0.1723

48.3582, 0.2773,
0.2341

22.3934, 0.2340,
0.1437

60.9510, 0.2895,
0.2644

17.2552, 0.2190,
0.1187

75.6950, 0.3002,
0.2929

13.6220, 0.2049,
0.0990

92.6876, 0.3095,
0.3193

11.2963, 0.1925,
0.0855

100.0000, 0.3127,
0.3290

■ 10.3545, 0.1859,
0.0798

Harmonies

Analogous

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



37.8121, 0.1967, 0.1912



37.8121, 0.2637, 0.2030



37.8121, 0.3572, 0.2387

Triad

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



37.8121, 0.2637, 0.2030



37.8121, 0.4825, 0.4222



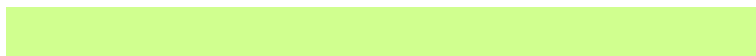
37.8121, 0.1879, 0.3496

Complementary

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



37.8121, 0.2637, 0.2030



86.9029, 0.3459, 0.4506

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.



37.8121, 0.2524, 0.4533



37.8121, 0.2637, 0.2030



37.8121, 0.4222, 0.4820

Square

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



37.8121, 0.2637, 0.2030



37.8121, 0.4963, 0.3557



37.8121, 0.3384, 0.5046



37.8121, 0.1583, 0.2587

Rectangle

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



37.8121, 0.2637, 0.2030



37.8121, 0.4212, 0.2731



37.8121, 0.3384, 0.5046



37.8121, 0.2058, 0.3857

Sweetspot

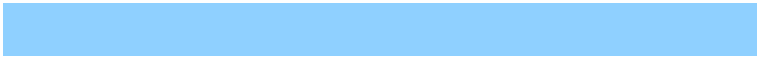
The Sweet Spot groups the original color and five complimentary colors.



37.8121, 0.2637, 0.2030



77.1778, 0.3011, 0.2955



58.3284, 0.2436, 0.2732



15.7721, 0.2989, 0.2894



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.



37.8121, 0.2637, 0.2030



29.9211, 0.2505, 0.1751



46.3913, 0.3098, 0.2186



17.7506, 0.3045, 0.3049



5.4936, 0.1876, 0.0807



0.5974, 0.2001, 0.0876

Inverse Universe

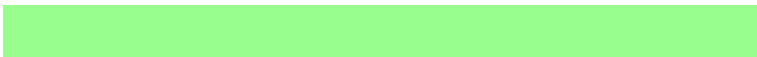
The Inverse Universe completely reimagines the original color for something new.



45.4499, 0.3609, 0.2627



38.7441, 0.3755, 0.2502



80.2084, 0.3113, 0.4648



18.1637, 0.3203, 0.3153



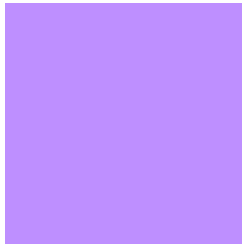
12.2542, 0.4628, 0.2323



1.2150, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 37.8121, 0.2637, 0.2030 looks on a white background.

Color Contrast Check

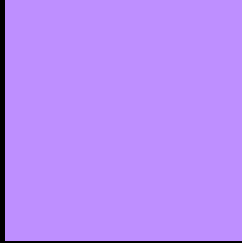
Large Text (above 18pt) WCAG AA × Fail

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 37.8121, 0.2637, 0.2030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

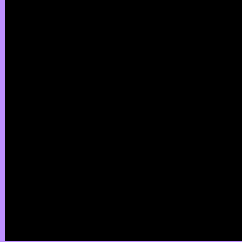
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8121, 0.2637, 0.2030

Background



This preview shows how black text looks on a background with the Yxy color 37.8121, 0.2637, 0.2030.



This preview shows how white text looks on a background with the Yxy color 37.8121, 0.2637, 0.2030.

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

37.8121, 0.2637, 0.2030

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.2353, 0.2258, 0.2196



Tritanopia

37.6597, 0.3145, 0.3112

Trichromacy



Original Color

37.8121, 0.2637, 0.2030



Protanomaly

37.6723, 0.2380, 0.2091



Deuteranomaly

37.5318, 0.2378, 0.2124



Tritanomaly

37.1263, 0.2944, 0.2656

Monochromacy



Original Color

37.8121, 0.2637, 0.2030



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.7058, 0.2935, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8121, 0.2637, 0.2030 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(190, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 143, 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(190, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.8121, 0.2637, 0.2030 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(190, 143, 255) }
```

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

```
.border{ border-color:rgb(190, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8121, 0.2637, 0.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 143, 255) }
```

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

```
.background{ background-color: rgb(190,  
143, 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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