

Converting Colors

$Yxy(37.8183, 0.2584, 0.2328)$

Have a look what the booklet for
Yxy(37.8183, 0.2584, 0.2328)
contains.

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Color

Yxy(37.8410, 0.2581, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	A39DEA
RGB	163, 157, 234
RGB Percent	64%, 62%, 92%
CMY	0.3608, 0.3843, 0.0825
CMYK	0.30, 0.33, 0.00, 0.08
HSL	245°, 65%, 77%
HSV	245°, 33%, 92%
XYZ	42.0076, 37.8410, 82.9084
YIQ	167.5720, -21.1410, 25.2190

Conversions

Conversions Part 2

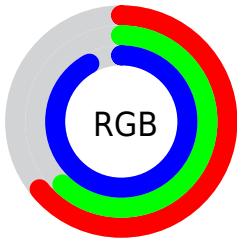
Format	Color
R _{YB}	163, 157, 234
Decimal	10722794
CIE _{Lab}	67.90, 19.21, -37.97
CIE _{LCh}	68, 42.553, 296.834
Yxy	37.8410, 0.2581, 0.2325
Android (android.graphics.Color)	4288912874 (0xFFA39DEA)
YUV	167.5720, 32.7490, -4.0096
Hunter-Lab	61.5150, 14.2433, -36.8490

Details

The Yxy color **37.8410, 0.2581, 0.2325** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.7549, 0.3579, 0.4123**, and the grayscale version is **38.7822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3670, 0.2897, 0.2838**, and **16.7736, 0.2419, 0.2081** is the 20% darker color. If you saturate the color by 10%, you get **28.5818, 0.2379, 0.1978**, and if you desaturate by 10%, it is **49.0075, 0.2769, 0.2653**.

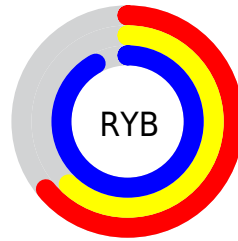
Distribution



Red (64%)

Green (62%)

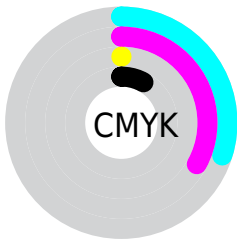
Blue (92%)



Red (64%)

Yellow (62%)

Blue (92%)

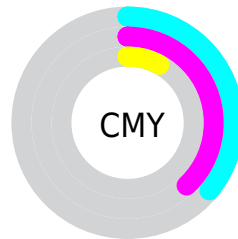


Cyan (30%)

Magenta (33%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (38%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8410, 0.2581, 0.2325 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 37.8410, 0.2581, 0.2325 by changing the saturation by 10% instead.

■ 37.8410, 0.2581,
0.2325

■ 37.8410, 0.2581,
0.2325

■ 336.9374, 0.2862,
0.2791

■ 25.8593, 0.2510,
0.2215

■ 71.8644, 0.2684,
0.2490

■ 16.7184, 0.2419,
0.2079

■ 94.6748, 0.2723,
0.2553

■ 10.0339, 0.2298,
0.1905

■ 121.8637, 0.2755,
0.2607

■ 5.4215, 0.2132,
0.1679

■ 153.8153, 0.2783,
0.2654

■ 2.4966, 0.1895,
0.1377

■ 190.9141, 0.2807,
0.2695

■ 0.8749, 0.1540,
0.0970


■ 233.5444, 0.2828,


■ 0.0000, 0.0713,


0.2731


0.0000

282.0907, 0.2846,
0.2763


 0.0000, 0.0000,
0.0000


 37.8410, 0.2581,
0.2325


 37.8410, 0.2581,
0.2325

 28.5818, 0.2379,
0.1978


 49.0075, 0.2769,
0.2653


 21.1191, 0.2172,
0.1628


 62.1753, 0.2938,
0.2952


 15.3373, 0.1972,
0.1298

 77.4372, 0.3088,
0.3219

 11.1055, 0.1794,
0.1012

 94.8790, 0.3217,
0.3453

 8.2733, 0.1653,
0.0796

 98.7188, 0.3250,
0.3493

■ 6.6604, 0.1559,
0.0662

■ 6.0692, 0.1520,
0.0611

Harmonies

Analogous

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



37.8410, 0.2173, 0.2331



37.8410, 0.2581, 0.2325



37.8410, 0.3179, 0.2523

Triad

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



37.8410, 0.2581, 0.2325



37.8410, 0.4387, 0.3828



37.8410, 0.2429, 0.3718

Complementary

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



37.8410, 0.2581, 0.2325



77.7549, 0.3579, 0.4123

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.



37.8410, 0.2976, 0.4274



37.8410, 0.2581, 0.2325



37.8410, 0.4119, 0.4250

Square

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



37.8410, 0.2581, 0.2325



37.8410, 0.4285, 0.3342



37.8410, 0.3596, 0.4457



37.8410, 0.2088, 0.3064

Rectangle

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



37.8410, 0.2581, 0.2325



37.8410, 0.3617, 0.2748



37.8410, 0.3596, 0.4457



37.8410, 0.2593, 0.3931

Sweetspot

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



37.8425, 0.2581, 0.2325



80.6050, 0.2983, 0.3031



69.0576, 0.2652, 0.3228



16.7145, 0.2961, 0.2992



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.



37.8425, 0.2581, 0.2325



38.6625, 0.2455, 0.2108



42.4216, 0.2881, 0.2402



14.6049, 0.2992, 0.3047



3.4322, 0.1525, 0.0614



0.2890, 0.1590, 0.0649

Inverse Universe

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



47.2058, 0.3216, 0.2531



51.6182, 0.3235, 0.2390



72.2566, 0.3305, 0.4202



15.2924, 0.3150, 0.3076



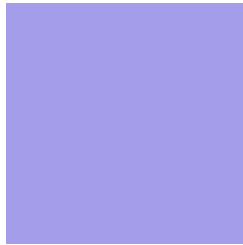
12.6189, 0.3414, 0.1655



0.9969, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 37.8410, 0.2581, 0.2325 looks on a white background.

Color Contrast Check

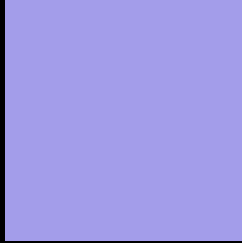
Large Text (above 18pt) WCAG AA × Fail

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 37.8410, 0.2581, 0.2325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

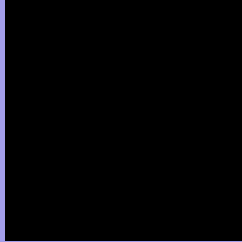
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8410, 0.2581, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 37.8410, 0.2581, 0.2325.



This preview shows how white text looks on a background with the Yxy color 37.8410, 0.2581, 0.2325.

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

37.8410, 0.2581, 0.2325

Protanopia

38.0891, 0.2409, 0.2313

Deuteranopia

38.1849, 0.2450, 0.2391



Tritanopia

38.0169, 0.2881, 0.3103

Trichromacy



Original Color

37.8410, 0.2581, 0.2325

Protanomaly

37.9937, 0.2469, 0.2320

Deuteranomaly

37.8570, 0.2499, 0.2363

Tritanomaly

37.7890, 0.2768, 0.2796

Monochromacy



Original Color

37.8410, 0.2581, 0.2325

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.4637, 0.2913, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8410, 0.2581, 0.2325 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(163, 157, 234)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 234)  
}
```

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(163, 157, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 234) }
```

Border

The CSS property to change the border of an element to Yxy 37.8410, 0.2581, 0.2325 is called "border". The border property can be set on classes, ids or directly on the HTML element.

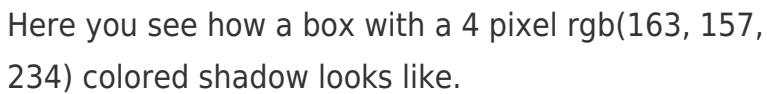
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 157, 234) }
```

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

```
.border{ border-color:rgb(163, 157, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 157, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 157, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 157, 234);  
box-shadow:4px 4px 4px 4px rgb(163, 157,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8410, 0.2581, 0.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 234) }
```

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

```
.background{ background-color: rgb(163,  
157, 234) }
```

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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