

Converting Colors

$Yxy(37.7863, 0.2583, 0.2354)$

Have a look what the booklet for
Yxy(37.7863, 0.2583, 0.2354)
contains.

Yxy(37.8570, 0.2580, 0.2354)	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(37.8570, 0.2580, 0.2354)

Conversions

Conversions Part 1

Format	Color
Hex	A19EE8
RGB	161, 158, 232
RGB Percent	63%, 62%, 91%
CMY	0.3686, 0.3804, 0.0902
CMYK	0.31, 0.32, 0.00, 0.09
HSL	242°, 62%, 76%
HSV	242°, 32%, 91%
XYZ	41.4915, 37.8570, 81.4714
YIQ	167.3330, -21.9660, 23.6500

Conversions

Conversions Part 2

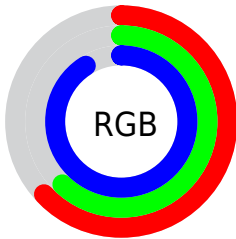
Format	Color
R_{YB}	161, 158, 232
Decimal	10591976
CIE _{Lab}	67.92, 17.59, -36.89
CIE _{LCh}	68, 40.869, 295.496
Yxy	37.8570, 0.2580, 0.2354
Android (android.graphics.Color)	4288782056 (0xFFA19EE8)
YUV	167.3330, 31.8808, -5.5540
Hunter-Lab	61.5280, 12.6977, -35.4383

Details

The Yxy color **37.8570, 0.2580, 0.2354** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76.8471, 0.3586, 0.4091**, and the grayscale version is **38.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5602, 0.2884, 0.2847**, and **16.7758, 0.2418, 0.2117** is the 20% darker color. If you saturate the color by 10%, you get **28.5661, 0.2373, 0.2005**, and if you desaturate by 10%, it is **49.0566, 0.2773, 0.2682**.

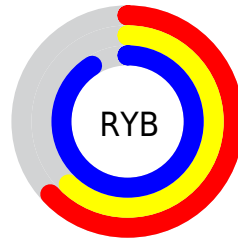
Distribution



Red (63%)

Green (62%)

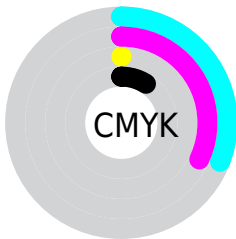
Blue (91%)



Red (63%)

Yellow (62%)

Blue (91%)

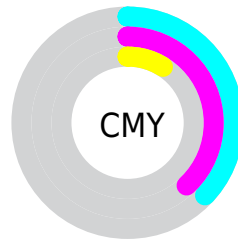


Cyan (31%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (37%)

Magenta (38%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8570, 0.2580, 0.2354 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 37.8570, 0.2580, 0.2354 by changing the saturation by 10% instead.

■ 37.8570, 0.2580,
0.2354

■ 37.8570, 0.2580,
0.2354

■ 337.0061, 0.2861,
0.2808

■ 25.8717, 0.2509,
0.2247

■ 71.8889, 0.2683,
0.2515

■ 16.7277, 0.2418,
0.2113

■ 94.7043, 0.2722,
0.2577

■ 10.0405, 0.2297,
0.1942

■ 121.8986, 0.2754,
0.2629

■ 5.4258, 0.2131,
0.1717

■ 153.8560, 0.2782,
0.2675

■ 2.4992, 0.1893,
0.1417

■ 190.9611, 0.2806,
0.2715

■ 0.8762, 0.1536,
0.1007

■ 233.5983, 0.2827,


■ 0.0000, 0.0640,

0.2749


0.0000


282.1518, 0.2845,
0.2780

 0.0000, 0.0000,
0.0000

 37.8570, 0.2580,
0.2354


 37.8570, 0.2580,
0.2354

 28.5661, 0.2373,
0.2005

 49.0566, 0.2773,
0.2682


 21.0732, 0.2161,
0.1651


 62.2583, 0.2947,
0.2979


 15.2634, 0.1958,
0.1315

 77.5548, 0.3100,
0.3244

 11.0064, 0.1778,
0.1023

 95.0316, 0.3234,
0.3475

 8.1531, 0.1639,
0.0800

 98.6068, 0.3262,
0.3512

■ 6.5248, 0.1548,
0.0662

■ 5.8875, 0.1509,
0.0605

Harmonies

Analogous

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



37.8570, 0.2194, 0.2371



37.8570, 0.2580, 0.2354



37.8570, 0.3150, 0.2537

Triad

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



37.8570, 0.2580, 0.2354



37.8570, 0.4342, 0.3793



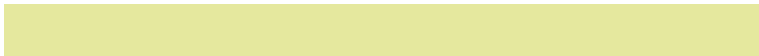
37.8570, 0.2476, 0.3728

Complementary

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



37.8570, 0.2580, 0.2354



76.8471, 0.3586, 0.4091

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.



37.8570, 0.3011, 0.4248



37.8570, 0.2580, 0.2354



37.8570, 0.4101, 0.4202

Square

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



37.8570, 0.2580, 0.2354



37.8570, 0.4226, 0.3322



37.8570, 0.3607, 0.4408



37.8570, 0.2135, 0.3101

Rectangle

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



37.8570, 0.2580, 0.2354



37.8570, 0.3571, 0.2751



37.8570, 0.3607, 0.4408



37.8570, 0.2638, 0.3929

Sweetspot

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



37.8585, 0.2580, 0.2354



80.4473, 0.2977, 0.3031



69.4359, 0.2668, 0.3259



16.6767, 0.2954, 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.



37.8585, 0.2580, 0.2354



39.3925, 0.2451, 0.2136



42.2152, 0.2870, 0.2426



13.9149, 0.2986, 0.3047



3.2812, 0.1513, 0.0607



0.2524, 0.1549, 0.0627

Inverse Universe

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



47.2693, 0.3189, 0.2527



52.7172, 0.3203, 0.2381



71.4647, 0.3318, 0.4167



14.6046, 0.3144, 0.3068



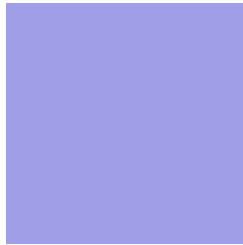
12.4743, 0.3313, 0.1599



0.9250, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 37.8570, 0.2580, 0.2354 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 37.8570, 0.2580, 0.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

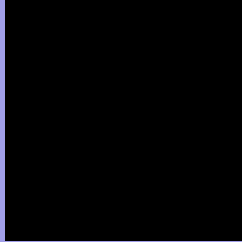
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8570, 0.2580, 0.2354

Background



This preview shows how black text looks on a background with the Yxy color 37.8570, 0.2580, 0.2354.



This preview shows how white text looks on a background with the Yxy color 37.8570, 0.2580, 0.2354.

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

37.8570, 0.2580, 0.2354

Protanopia

38.0013, 0.2432, 0.2346

Deuteranopia

37.8035, 0.2467, 0.2400



Tritanopia

37.8255, 0.2864, 0.3102

Trichromacy



Original Color

37.8570, 0.2580, 0.2354

Protanomaly

37.8775, 0.2480, 0.2341

Deuteranomaly

37.7433, 0.2511, 0.2385

Tritanomaly

37.5911, 0.2752, 0.2794

Monochromacy



Original Color

37.8570, 0.2580, 0.2354

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.3118, 0.2912, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8570, 0.2580, 0.2354 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(161, 158, 232)` looks like.

```
.text, #text, p{  
    color:rgb(161, 158, 232)  
}
```

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(161, 158, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 158, 232) }
```

Border

The CSS property to change the border of an element to Yxy 37.8570, 0.2580, 0.2354 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(161, 158, 232) }
```

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

```
.border{ border-color:rgb(161, 158, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 158, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 158, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 158, 232);  
box-shadow:4px 4px 4px 4px rgb(161, 158,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8570, 0.2580, 0.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 158, 232) }
```

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

```
.background{ background-color: rgb(161,  
158, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor