

Converting Colors

$Y_{xy}(37.3556, 0.2854, 0.1959)$

Have a look what the booklet for
Yxy(37.3556, 0.2854, 0.1959)
contains.

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Color

Yxy(37.4101, 0.2851, 0.1961)

Conversions

Conversions Part 1

Format	Color
Hex	D980FF
RGB	217, 128, 255
RGB Percent	85%, 50%, 100%
CMY	0.1490, 0.4981, 0.0000
CMYK	0.15, 0.50, 0.00, 0.00
HSL	282°, 100%, 75%
HSV	282°, 50%, 100%
XYZ	54.3887, 37.4101, 98.9717
YIQ	169.0890, 12.2770, 58.3650

Conversions

Conversions Part 2

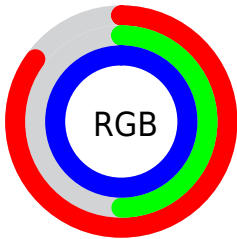
Format	Color
R _Y B	217, 128, 255
Decimal	14254335
CIE Lab	67.58, 54.83, -49.63
CIE LCh	68, 73.957, 317.853
Yxy	37.4101, 0.2851, 0.1961
Android (android.graphics.Color)	4292444415 (0xFFD980FF)
YUV	169.0890, 42.3541, 42.0179
Hunter-Lab	61.1638, 51.6909, -53.1250

Details

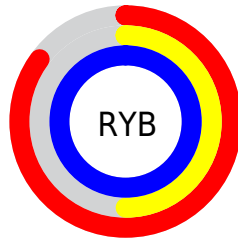
The Yxy color **37.4101, 0.2851, 0.1961** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.1832, 0.3263, 0.4783**, and the grayscale version is **39.5046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **16.5830, 0.2749, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **30.4322, 0.2774, 0.1714**, and if you desaturate by 10%, it is **46.1146, 0.2922, 0.2229**.

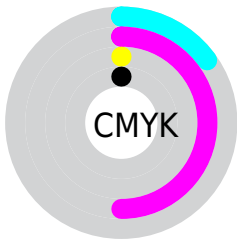
Distribution



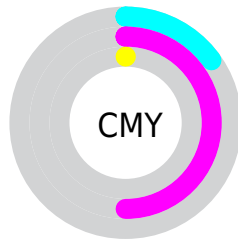
- Red (85%)
- Green (50%)
- Blue (100%)



- Red (85%)
- Yellow (50%)
- Blue (100%)



- Cyan (15%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4101, 0.2851, 0.1961 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 37.4101, 0.2851, 0.1961 by changing the saturation by 10% instead.


 37.4101, 0.2851,
0.1961


 37.4101, 0.2851,
0.1961


335.0826, 0.3013,
0.2564

 25.5252, 0.2806,
0.1830


 71.2031, 0.2914,
0.2166

 16.4688, 0.2747,
0.1672


 93.8799, 0.2936,
0.2247

 9.8565, 0.2666,
0.1480


 120.9228, 0.2955,
0.2317

 5.3039, 0.2551,
0.1245

152.7162, 0.2970,
0.2379

 2.4266, 0.2381,
0.0956

189.6445, 0.2983,
0.2433

 0.8395, 0.2116,
0.0610

232.0921, 0.2995,

 0.0000, 0.1728,

0.2482

0.0000

280.4433, 0.3004,
0.2525

0.0000, 0.0134,
0.0000

0.0000, 0.0000,
0.0000

37.4101, 0.2851,
0.1961

37.4101, 0.2851,
0.1961

30.4322, 0.2774,
0.1714

46.1146, 0.2922,
0.2229

25.0503, 0.2692,
0.1499

56.6586, 0.2986,
0.2505

21.1183, 0.2610,
0.1327

69.1480, 0.3041,
0.2780

18.4614, 0.2529,
0.1204

83.6796, 0.3088,
0.3045

■ 16.8003, 0.2452,
0.1125

100.0000, 0.3127,
0.3290

■ 16.7720, 0.2451,
0.1124

Harmonies

Analogous

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



37.4101, 0.1991, 0.1745



37.4101, 0.2851, 0.1961



37.4101, 0.3987, 0.2424

Triad

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



37.4101, 0.2851, 0.1961



37.4101, 0.4874, 0.4517



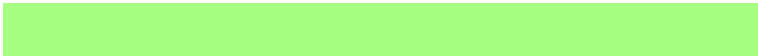
37.4101, 0.1555, 0.3142

Complementary

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



37.4101, 0.2851, 0.1961



81.1832, 0.3263, 0.4783

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.



37.4101, 0.2149, 0.4428



37.4101, 0.2851, 0.1961



37.4101, 0.4057, 0.5187

Square

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



37.4101, 0.2851, 0.1961



37.4101, 0.5265, 0.3761



37.4101, 0.3071, 0.5302



37.4101, 0.1362, 0.2235

Rectangle

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



37.4101, 0.2851, 0.1961



37.4101, 0.4690, 0.2831



37.4101, 0.3071, 0.5302



37.4101, 0.1707, 0.3553

Sweetspot

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



37.4109, 0.2851, 0.1961



75.8714, 0.3065, 0.2908



39.1161, 0.2259, 0.2176



15.5958, 0.3055, 0.2852



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.



37.4109, 0.2851, 0.1961



30.3131, 0.2772, 0.1709



42.3875, 0.3416, 0.2291



18.0117, 0.3090, 0.3052



8.8451, 0.2463, 0.1130



0.9181, 0.2550, 0.1178

Inverse Universe

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



39.4493, 0.4105, 0.2900



32.8933, 0.4433, 0.2841



78.4218, 0.2939, 0.4569



18.0765, 0.3247, 0.3219



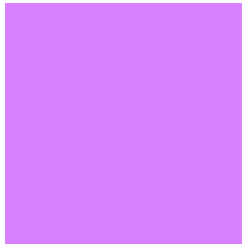
11.4062, 0.5772, 0.2953



1.1289, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 37.4101, 0.2851, 0.1961 looks on a white background.

Color Contrast Check

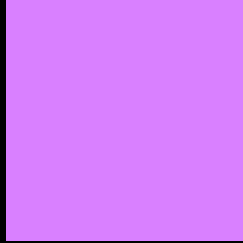
Large Text (above 18pt) WCAG AA × Fail

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 37.4101, 0.2851, 0.1961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

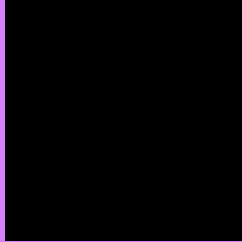
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4101, 0.2851, 0.1961

Background



This preview shows how black text looks on a background with the Yxy color 37.4101, 0.2851, 0.1961.



This preview shows how white text looks on a background with the Yxy color 37.4101, 0.2851, 0.1961.

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

37.4101, 0.2851, 0.1961

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

37.7638, 0.2275, 0.2213



Tritanopia

37.1178, 0.3555, 0.3137

Trichromacy



Original Color

37.4101, 0.2851, 0.1961



Protanomaly

36.7141, 0.2437, 0.2040



Deuteranomaly

36.4692, 0.2440, 0.2080

Tritanomaly

36.7414, 0.3277, 0.2638

Monochromacy



Original Color

37.4101, 0.2851, 0.1961



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.7204, 0.3024, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4101, 0.2851, 0.1961 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(217, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 128, 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(217, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.4101, 0.2851, 0.1961 is called "border". The border property can be set on classes, ids or directly on the HTML element.

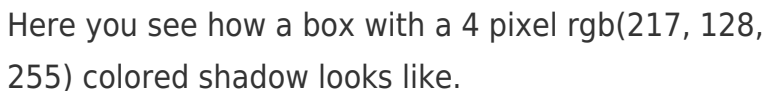
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 128, 255) }
```

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

```
.border{ border-color:rgb(217, 128, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 128, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 128, 255); box-shadow:4px 4px 4px 4px rgb(217, 128, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4101, 0.2851, 0.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 128, 255) }
```

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

```
.background{ background-color: rgb(217,  
128, 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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