

Converting Colors

$Y_{xy}(38.5645, 0.2754, 0.1870)$

Have a look what the booklet for
Yxy(38.5645, 0.2754, 0.1870)
contains.

Yxy(37.6722, 0.2851, 0.1970)	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(37.6722, 0.2851, 0.1970)

Conversions

Conversions Part 1

Format	Color
Hex	D981FF
RGB	217, 129, 255
RGB Percent	85%, 51%, 100%
CMY	0.1490, 0.4941, 0.0000
CMYK	0.15, 0.49, 0.00, 0.00
HSL	282°, 100%, 75%
HSV	282°, 49%, 100%
XYZ	54.5195, 37.6722, 99.0377
YIQ	169.6760, 12.0020, 57.8420

Conversions

Conversions Part 2

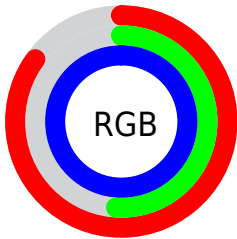
Format	Color
R _Y B	217, 129, 255
Decimal	14254591
CIE Lab	67.78, 54.33, -49.34
CIE LCh	68, 73.385, 317.756
Yxy	37.6722, 0.2851, 0.1970
Android (android.graphics.Color)	4292444671 (0xFFD981FF)
YUV	169.6760, 42.0647, 41.5031
Hunter-Lab	61.3777, 51.1440, -52.7047

Details

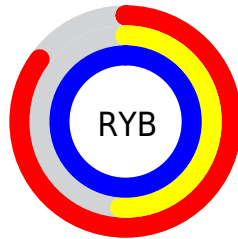
The Yxy color **37.6722, 0.2851, 0.1970** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.3203, 0.3264, 0.4769**, and the grayscale version is **39.8098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **16.7197, 0.2749, 0.1685** is the 20% darker color. If you saturate the color by 10%, you get **30.6200, 0.2773, 0.1721**, and if you desaturate by 10%, it is **46.4533, 0.2923, 0.2239**.

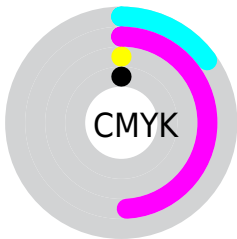
Distribution



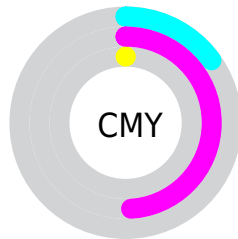
- Red (85%)
- Green (51%)
- Blue (100%)



- Red (85%)
- Yellow (51%)
- Blue (100%)



- Cyan (15%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6722, 0.2851, 0.1970 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 37.6722, 0.2851, 0.1970 by changing the saturation by 10% instead.


 37.6722, 0.2851,
0.1970


 37.6722, 0.2851,
0.1970


336.2117, 0.3012,
0.2569

 25.7284, 0.2806,
0.1840


 71.6054, 0.2913,
0.2173

 16.6205, 0.2747,
0.1683


 94.3636, 0.2936,
0.2254

 9.9643, 0.2667,
0.1492


 121.4954, 0.2954,
0.2324

 5.3753, 0.2553,
0.1257

153.3851, 0.2970,
0.2385

 2.4691, 0.2384,
0.0969

190.4172, 0.2983,
0.2439

 0.8611, 0.2121,
0.0623

232.9761, 0.2994,

 0.0000, 0.1738,

0.2487

0.0000

281.4461, 0.3004,
0.2530

■ 0.0000, 0.0167,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6722, 0.2851,
0.1970

■ 37.6722, 0.2851,
0.1970

■ 30.6200, 0.2773,
0.1721

■ 46.4533, 0.2923,
0.2239

■ 25.1716, 0.2692,
0.1505

■ 57.0808, 0.2987,
0.2516

■ 21.1802, 0.2608,
0.1330

■ 69.6585, 0.3042,
0.2790

■ 18.4724, 0.2527,
0.1205

■ 84.2831, 0.3090,
0.3055

■ 16.7821, 0.2449,
0.1124

100.0000, 0.3127,
0.3290

■ 16.6961, 0.2444,
0.1120

Harmonies

Analogous

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



37.6722, 0.1999, 0.1756



37.6722, 0.2851, 0.1970



37.6722, 0.3976, 0.2429

Triad

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



37.6722, 0.2851, 0.1970



37.6722, 0.4864, 0.4509



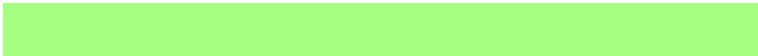
37.6722, 0.1570, 0.3149

Complementary

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



37.6722, 0.2851, 0.1970



81.3203, 0.3264, 0.4769

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.



37.6722, 0.2162, 0.4420



37.6722, 0.2851, 0.1970



37.6722, 0.4056, 0.5170

Square

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



37.6722, 0.2851, 0.1970



37.6722, 0.5247, 0.3759



37.6722, 0.3078, 0.5281



37.6722, 0.1375, 0.2248

Rectangle

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



37.6722, 0.2851, 0.1970



37.6722, 0.4671, 0.2835



37.6722, 0.3078, 0.5281



37.6722, 0.1721, 0.3555

Sweetspot

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



37.6713, 0.2851, 0.1970



75.8543, 0.3064, 0.2908



40.2250, 0.2272, 0.2214



15.5917, 0.3054, 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.



37.6713, 0.2851, 0.1970



30.8784, 0.2777, 0.1731



42.7803, 0.3392, 0.2280



18.0093, 0.3089, 0.3052



8.8057, 0.2457, 0.1127



0.9145, 0.2545, 0.1175

Inverse Universe

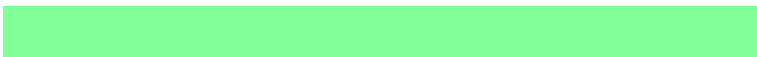
The Inverse Universe completely reimagines the original color for something new.



39.7498, 0.4090, 0.2900



33.4713, 0.4394, 0.2842



78.4571, 0.2950, 0.4583



18.0772, 0.3247, 0.3219



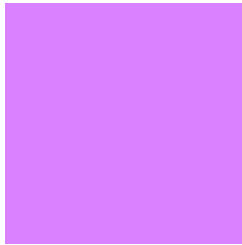
11.4110, 0.5763, 0.2948



1.1294, 0.5443, 0.2772

Previews

White Background



This preview shows how the Yxy color 37.6722, 0.2851, 0.1970 looks on a white background.

Color Contrast Check

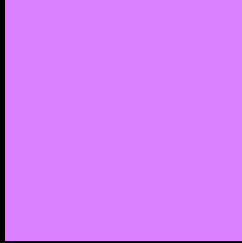
Large Text (above 18pt) WCAG AA × Fail

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 37.6722, 0.2851, 0.1970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

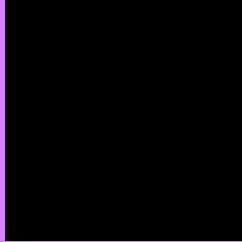
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6722, 0.2851, 0.1970

Background



This preview shows how black text looks on a background with the Yxy color 37.6722, 0.2851, 0.1970.



This preview shows how white text looks on a background with the Yxy color 37.6722, 0.2851, 0.1970.

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

37.6722, 0.2851, 0.1970

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.1996, 0.2283, 0.2228



Tritanopia

37.4741, 0.3542, 0.3138

Trichromacy



Original Color

37.6722, 0.2851, 0.1970



Protanomaly

37.0346, 0.2439, 0.2052



Deuteranomaly

36.8951, 0.2449, 0.2095

Tritanomaly

37.0403, 0.3276, 0.2650

Monochromacy



Original Color

37.6722, 0.2851, 0.1970



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.2245, 0.3025, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6722, 0.2851, 0.1970 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, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 129, 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, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6722, 0.2851, 0.1970 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, 129, 255) }
```

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

```
.border{ border-color:rgb(217, 129, 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, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 129,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6722, 0.2851, 0.1970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 129, 255) }
```

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

```
.background{ background-color: rgb(217,  
129, 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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