

Converting Colors

Yxy(39.0142, 0.2665, 0.1737)

Have a look what the booklet for
Yxy(39.0142, 0.2665, 0.1737)
contains.

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Color

Yxy(37.1029, 0.2876, 0.1944)

Conversions

Conversions Part 1	
Format	Color
Hex	DC7DFF
RGB	220, 125, 255
RGB Percent	86%, 49%, 100%
CMY	0.1374, 0.5097, 0.0001
CMYK	0.14, 0.51, 0.00, 0.00
HSL	284°, 100%, 75%
HSV	284°, 51%, 100%
XYZ	54.8909, 37.1029, 98.8647
YIQ	168.2250, 14.8900, 60.5700

Conversions

Conversions Part 2

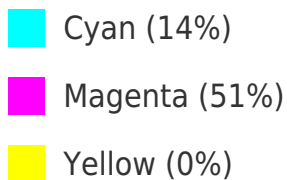
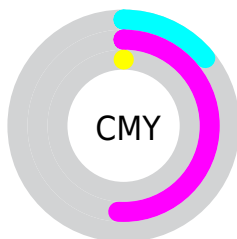
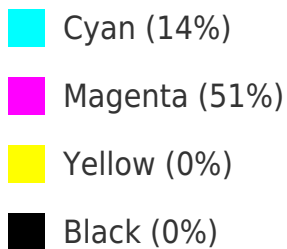
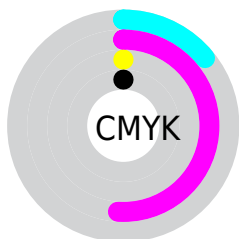
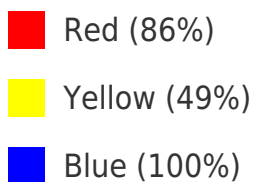
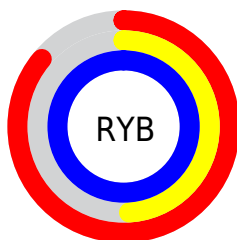
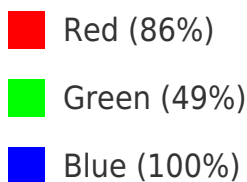
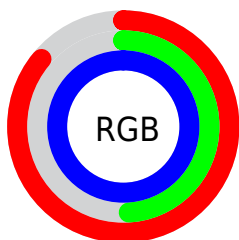
Format	Color
RYB	220, 125, 255
Decimal	14450175
CIELab	67.35, 57.10, -49.95
CIELCh	67, 75.864, 318.817
Yxy	37.1029, 0.2876, 0.1944
Android (android.graphics.Color)	4292640255 (0xFFDC7DFF)
YUV	168.2250, 42.7801, 45.4067
Hunter-Lab	60.9121, 54.2588, -53.5934

Details

The Yxy color **37.1029, 0.2876, 0.1944** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.4704, 0.3240, 0.4832**, and the grayscale version is **39.0570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **16.2651, 0.2770, 0.1647** is the 20% darker color. If you saturate the color by 10%, you get **30.4048, 0.2807, 0.1706**, and if you desaturate by 10%, it is **45.5049, 0.2940, 0.2205**.


Distribution





Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1029, 0.2876, 0.1944 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 37.1029, 0.2876, 0.1944 by changing the saturation by 10% instead.


 37.1029, 0.2876,
0.1944


 37.1029, 0.2876,
0.1944


 333.7558, 0.3027,
0.2553


 25.2872, 0.2833,
0.1812


 70.7310, 0.2935,
0.2151


 16.2911, 0.2777,
0.1653

 93.3122, 0.2956,
0.2232


 9.7304, 0.2699,
0.1460


 120.2506, 0.2973,
0.2304

 5.2206, 0.2589,
0.1224

 151.9308, 0.2988,
0.2366

 2.3773, 0.2423,
0.0935

 188.7369, 0.3000,
0.2421

 0.8142, 0.2164,
0.0590


 231.0536, 0.3010,


 0.0000, 0.1781,


0.2470


0.0000


279.2651, 0.3019,
0.2514


 0.0000, 0.0261,
0.0000


 0.0000, 0.0000,
0.0000

 37.1029, 0.2876,
0.1944


 37.1029, 0.2876,
0.1944


 30.4048, 0.2807,
0.1706


 45.5049, 0.2940,
0.2205


 25.2760, 0.2734,
0.1501


 55.7226, 0.2997,
0.2477

 21.5689, 0.2659,
0.1341

 67.8633, 0.3047,
0.2750

 19.1047, 0.2587,
0.1229

 82.0247, 0.3089,
0.3015

 17.6950, 0.2523, 98.2977, 0.3124,
0.1164 0.3267

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



37.1029, 0.1986, 0.1715



37.1029, 0.2876, 0.1944



37.1029, 0.4048, 0.2421

Triad

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



37.1029, 0.2876, 0.1944



37.1029, 0.4886, 0.4558



37.1029, 0.1506, 0.3094

Complementary

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



37.1029, 0.2876, 0.1944



80.4704, 0.3240, 0.4832

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.



37.1029, 0.2095, 0.4422



37.1029, 0.2876, 0.1944



37.1029, 0.4037, 0.5248

Square

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



37.1029, 0.2876, 0.1944



37.1029, 0.5314, 0.3784



37.1029, 0.3028, 0.5354



37.1029, 0.1325, 0.2185

Rectangle

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



37.1029, 0.2876, 0.1944



37.1029, 0.4763, 0.2838



37.1029, 0.3028, 0.5354



37.1029, 0.1655, 0.3514

Sweetspot

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



37.1044, 0.2876, 0.1944



76.0747, 0.3073, 0.2909



37.3680, 0.2232, 0.2117



15.6450, 0.3064, 0.2853



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.



37.1044, 0.2876, 0.1944



30.3895, 0.2806, 0.1705



41.4677, 0.3446, 0.2289



18.0398, 0.3095, 0.3053



9.3244, 0.2535, 0.1170



0.9616, 0.2614, 0.1214

Inverse Universe

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



38.4704, 0.4186, 0.2932



32.2029, 0.4529, 0.2884



78.1796, 0.2926, 0.4576



18.0674, 0.3252, 0.3226



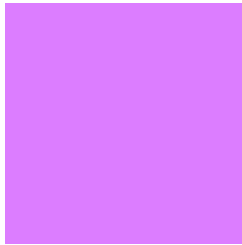
11.3525, 0.5873, 0.3009



1.1226, 0.5555, 0.2834

Previews

White Background



This preview shows how the Yxy color 37.1029, 0.2876, 0.1944 looks on a white background.

Color Contrast Check

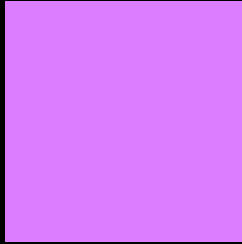
Large Text (above 18pt) WCAG AA × Fail

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 37.1029, 0.2876, 0.1944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

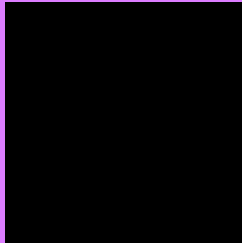
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1029, 0.2876, 0.1944

Background



This preview shows how black text looks on a background with the Yxy color 37.1029, 0.2876, 0.1944.



This preview shows how white text looks on a background with the Yxy color 37.1029, 0.2876, 0.1944.

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

37.1029, 0.2876, 0.1944

Protanopia

37.3769, 0.2252, 0.2112

Deuteranopia

37.6882, 0.2270, 0.2212



Tritanopia

36.8397, 0.3612, 0.3139

Trichromacy



Original Color
37.1029, 0.2876, 0.1944

Protanomaly
36.0812, 0.2434, 0.2017

Deuteranomaly
36.2513, 0.2446, 0.2071

Tritanomaly
36.5452, 0.3319, 0.2631

Monochromacy



Original Color
37.1029, 0.2876, 0.1944

Achromatopsia
39.1572, 0.3127, 0.3290

Achromatomaly
37.1914, 0.3033, 0.2677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1029, 0.2876, 0.1944 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(220, 125, 255) looks like.

```
.text, #text, p{  
    color:rgb(220, 125, 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(220, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 125, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.1029, 0.2876, 0.1944 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(220, 125, 255) }
```

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

```
.border{ border-color:rgb(220, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 125,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1029, 0.2876, 0.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 125, 255) }
```

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

```
.background{ background-color: rgb(220,  
125, 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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