

Converting Colors

$Yxy(37.7813, 0.2879, 0.1967)$

Have a look what the booklet for
Yxy(37.7813, 0.2879, 0.1967)
contains.

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Color

Yxy(37.6144, 0.2877, 0.1962)

Conversions

Conversions Part 1

Format	Color
Hex	DC7FFF
RGB	220, 127, 255
RGB Percent	86%, 50%, 100%
CMY	0.1372, 0.5020, 0.0001
CMYK	0.14, 0.50, 0.00, 0.00
HSL	284°, 100%, 75%
HSV	284°, 50%, 100%
XYZ	55.1563, 37.6144, 98.9439
YIQ	169.3990, 14.3400, 59.5240

Conversions

Conversions Part 2

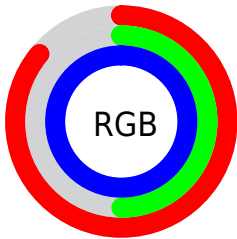
Format	Color
R _Y B	220, 127, 255
Decimal	14450687
CIE Lab	67.74, 56.12, -49.35
CIE LCh	68, 74.732, 318.675
Yxy	37.6144, 0.2877, 0.1962
Android (android.graphics.Color)	4292640767 (0xFFDC7FFF)
YUV	169.3990, 42.2013, 44.3771
Hunter-Lab	61.3306, 53.2015, -52.7204

Details

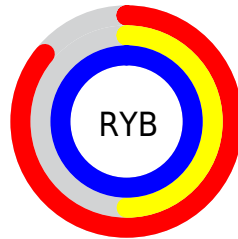
The Yxy color **37.6144, 0.2877, 0.1962** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.7166, 0.3243, 0.4805**, and the grayscale version is **39.6667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **16.5237, 0.2771, 0.1666** is the 20% darker color. If you saturate the color by 10%, you get **30.7781, 0.2807, 0.1721**, and if you desaturate by 10%, it is **46.1653, 0.2941, 0.2225**.

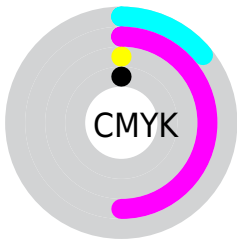
Distribution



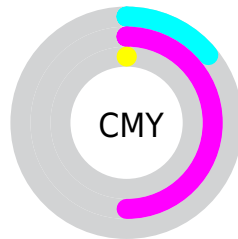
- Red (86%)
- Green (50%)
- Blue (100%)



- Red (86%)
- Yellow (50%)
- Blue (100%)



- Cyan (14%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6144, 0.2877, 0.1962 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 37.6144, 0.2877, 0.1962 by changing the saturation by 10% instead.


 37.6144, 0.2877,
0.1962


 37.6144, 0.2877,
0.1962


335.9629, 0.3026,
0.2563


 25.6836, 0.2835,
0.1831


 71.5167, 0.2935,
0.2166

 16.5871, 0.2779,
0.1674


 94.2570, 0.2956,
0.2247

 9.9405, 0.2703,
0.1483


 121.3692, 0.2973,
0.2317

 5.3595, 0.2594,
0.1249

153.2377, 0.2987,
0.2379

 2.4597, 0.2431,
0.0961

190.2470, 0.2999,
0.2433

 0.8564, 0.2177,
0.0616

232.7813, 0.3010,

 0.0000, 0.1803,

0.2481

0.0000

281.2252, 0.3019,
0.2524

■ 0.0000, 0.0326,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6144, 0.2877,
0.1962

■ 37.6144, 0.2877,
0.1962

■ 30.7781, 0.2807,
0.1721

■ 46.1653, 0.2941,
0.2225

■ 25.5228, 0.2733,
0.1513

■ 56.5414, 0.2999,
0.2498

■ 21.7027, 0.2658,
0.1348

■ 68.8494, 0.3049,
0.2771

■ 19.1419, 0.2584,
0.1231

■ 83.1866, 0.3091,
0.3035

■ 17.5743, 0.2514,
0.1159

99.6434, 0.3127,
0.3285

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



37.6144, 0.2002, 0.1737



37.6144, 0.2877, 0.1962



37.6144, 0.4026, 0.2433

Triad

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



37.6144, 0.2877, 0.1962



37.6144, 0.4866, 0.4543



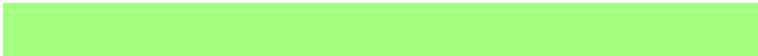
37.6144, 0.1534, 0.3107

Complementary

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



37.6144, 0.2877, 0.1962



80.7166, 0.3243, 0.4805

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.



37.6144, 0.2119, 0.4404



37.6144, 0.2877, 0.1962



37.6144, 0.4034, 0.5214

Square

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



37.6144, 0.2877, 0.1962



37.6144, 0.5279, 0.3781



37.6144, 0.3040, 0.5311



37.6144, 0.1351, 0.2209

Rectangle

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



37.6144, 0.2877, 0.1962



37.6144, 0.4728, 0.2845



37.6144, 0.3040, 0.5311



37.6144, 0.1682, 0.3518

Sweetspot

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



37.6160, 0.2877, 0.1962



76.0489, 0.3072, 0.2909



38.0173, 0.2247, 0.2138



15.6388, 0.3063, 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.



37.6160, 0.2877, 0.1962



30.8999, 0.2808, 0.1725



41.9944, 0.3439, 0.2303



18.0363, 0.3094, 0.3053



9.2624, 0.2526, 0.1165



0.9560, 0.2606, 0.1209

Inverse Universe

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



39.0416, 0.4156, 0.2932



32.7700, 0.4486, 0.2882



78.3768, 0.2928, 0.4553



18.0686, 0.3251, 0.3225



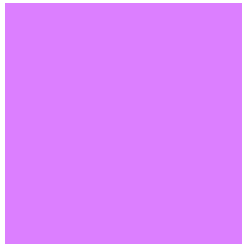
11.3589, 0.5861, 0.3002



1.1234, 0.5542, 0.2827

Previews

White Background



This preview shows how the Yxy color 37.6144, 0.2877, 0.1962 looks on a white background.

Color Contrast Check

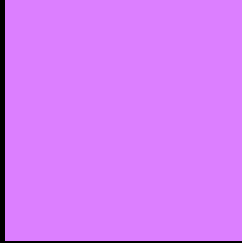
Large Text (above 18pt) WCAG AA × Fail

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 37.6144, 0.2877, 0.1962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

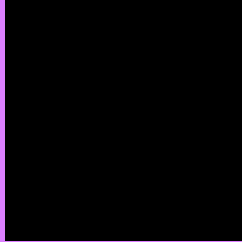
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6144, 0.2877, 0.1962

Background



This preview shows how black text looks on a background with the Yxy color 37.6144, 0.2877, 0.1962.



This preview shows how white text looks on a background with the Yxy color 37.6144, 0.2877, 0.1962.

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

37.6144, 0.2877, 0.1962

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

37.8403, 0.2281, 0.2215



Tritanopia

37.5077, 0.3596, 0.3152

Trichromacy



Original Color

37.6144, 0.2877, 0.1962



Protanomaly

36.5014, 0.2442, 0.2031



Deuteranomaly

36.6753, 0.2454, 0.2085

Tritanomaly

37.1350, 0.3316, 0.2655

Monochromacy



Original Color

37.6144, 0.2877, 0.1962



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.9727, 0.3042, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6144, 0.2877, 0.1962 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, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 127, 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, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6144, 0.2877, 0.1962 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, 127, 255) }
```

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

```
.border{ border-color:rgb(220, 127, 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, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 127, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 127, 255); box-shadow:4px 4px 4px 4px rgb(220, 127, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6144, 0.2877, 0.1962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 127, 255) }
```

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

```
.background{ background-color: rgb(220,  
127, 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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