

Converting Colors

Yxy(83.9229, 0.3173, 0.3083)

Have a look what the booklet for
Yxy(83.9229, 0.3173, 0.3083)
contains.

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Color

Yxy(83.6489, 0.3171, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4FA
RGB	255, 228, 250
RGB Percent	100%, 89%, 98%
CMY	0.0001, 0.1058, 0.0195
CMYK	0.00, 0.11, 0.02, 0.00
HSL	311°, 100%, 95%
HSV	311°, 11%, 100%
XYZ	86.2323, 83.6489, 102.0593
YIQ	238.5810, 9.0300, 12.5660

Conversions

Conversions Part 2

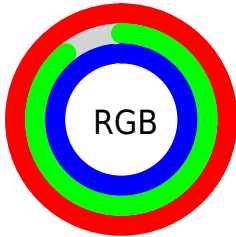
Format	Color
R _Y B	255, 228, 250
Decimal	16770298
CIE Lab	93.30, 12.93, -7.29
CIE LCh	93, 14.840, 330.592
Yxy	83.6489, 0.3171, 0.3076
Android (android.graphics.Color)	4294960378 (0xFFFFE4FA)
YUV	238.5810, 5.6296, 14.3995
Hunter-Lab	91.4598, 8.2431, -2.1394

Details

The Yxy color **83.6489, 0.3171, 0.3076** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.8779, 0.3086, 0.3514**, and the grayscale version is **85.9247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7879, 0.3175, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **70.3520, 0.3219, 0.2866**, and if you desaturate by 10%, it is **99.0291, 0.3129, 0.3279**.

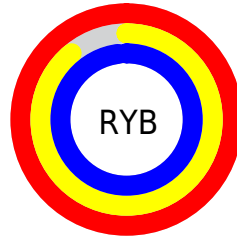
Distribution



Red (100%)

Green (89%)

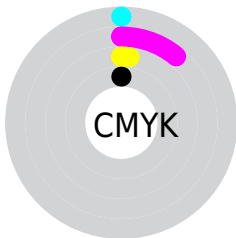
Blue (98%)



Red (100%)

Yellow (89%)

Blue (98%)

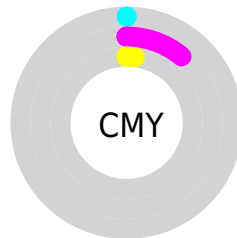


Cyan (0%)

Magenta (11%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6489, 0.3171, 0.3076 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 83.6489, 0.3171, 0.3076 by changing the saturation by 10% instead.


 83.6489, 0.3171,
0.3076

 83.6489, 0.3171,
0.3076

507.1466, 0.3152,
0.3171

 62.7256, 0.3175,
0.3055


138.4839, 0.3165,
0.3108

 45.6193, 0.3180,
0.3030


173.1645, 0.3162,
0.3121

 31.9455, 0.3186,
0.2999


213.1995, 0.3160,
0.3132

 21.3199, 0.3193,
0.2959

258.9735, 0.3158,
0.3142

 13.3580, 0.3203,
0.2906

310.8708, 0.3156,
0.3150

 7.6755, 0.3216,
0.2834

369.2758, 0.3155,

 3.8880, 0.3234,

0.3158

0.2729

434.5730, 0.3153,
0.3165

■ 1.6111, 0.3261,
0.2561

■ 0.3651, 0.3425,
0.1887

■ 83.6489, 0.3171,
0.3076

■ 83.6489, 0.3171,
0.3076

■ 70.3520, 0.3219,
0.2866

99.0291, 0.3129,
0.3279

■ 59.0372, 0.3274,
0.2655

99.9942, 0.3127,
0.3290

■ 49.6113, 0.3334,
0.2450

■ 41.9691, 0.3401,
0.2260

■ 35.9954, 0.3471,
0.2095

■ 31.5613, 0.3544,
0.1965

■ 28.5189, 0.3616,
0.1878

■ 26.6915, 0.3685,
0.1838

■ 25.8161, 0.3748,
0.1838

Harmonies

Analogous

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



83.6489, 0.3000, 0.3010



83.6489, 0.3171, 0.3076



83.6489, 0.3333, 0.3196

Triad

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



83.6489, 0.3171, 0.3076



83.6489, 0.3390, 0.3570



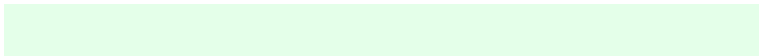
83.6489, 0.2823, 0.3226

Complementary

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



83.6489, 0.3171, 0.3076



93.8779, 0.3086, 0.3514

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.



83.6489, 0.2922, 0.3384



83.6489, 0.3171, 0.3076



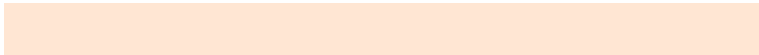
83.6489, 0.3248, 0.3587

Square

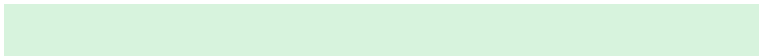
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



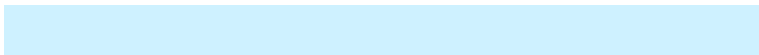
83.6489, 0.3171, 0.3076



83.6489, 0.3462, 0.3478



83.6489, 0.3077, 0.3519



83.6489, 0.2803, 0.3091

Rectangle

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



83.6489, 0.3171, 0.3076



83.6489, 0.3414, 0.3292



83.6489, 0.3077, 0.3519



83.6489, 0.2848, 0.3278

Sweetspot

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



83.6525, 0.3171, 0.3076



95.1257, 0.3139, 0.3230



80.0292, 0.2993, 0.3017



20.0890, 0.3142, 0.3214



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.



83.6525, 0.3171, 0.3076



80.2571, 0.3182, 0.3026



82.8373, 0.3259, 0.3206



18.2398, 0.3166, 0.3098



13.5138, 0.3737, 0.1833



1.3300, 0.3666, 0.1793

Inverse Universe

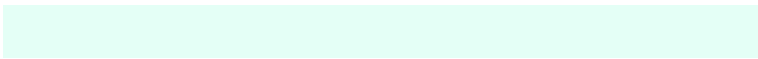
The Inverse Universe completely reimagines the original color for something new.



83.6525, 0.3171, 0.3076



80.2571, 0.3182, 0.3026



94.6773, 0.3011, 0.3375



18.2398, 0.3166, 0.3098



13.5138, 0.3737, 0.1833



1.3300, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 83.6489, 0.3171, 0.3076 looks on a white background.

Color Contrast Check

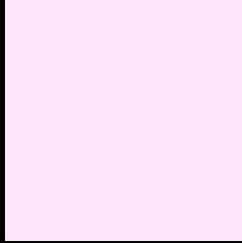
Large Text (above 18pt) WCAG AA × Fail

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 83.6489, 0.3171, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

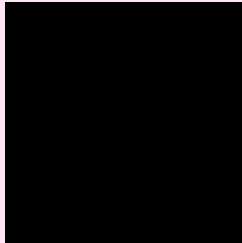
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6489, 0.3171, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 83.6489, 0.3171, 0.3076.

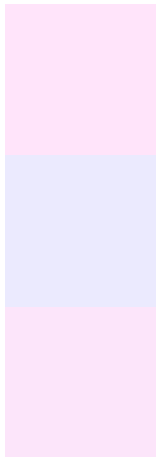


This preview shows how white text looks on a background with the Yxy color 83.6489, 0.3171, 0.3076.

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

83.6489, 0.3171, 0.3076

Protanopia

83.6636, 0.3012, 0.3089

Deuteranopia

83.6362, 0.3150, 0.3085



Tritanopia

83.8249, 0.3183, 0.3114

Trichromacy



Original Color

83.6489, 0.3171, 0.3076

Protanomaly

83.6823, 0.3064, 0.3081

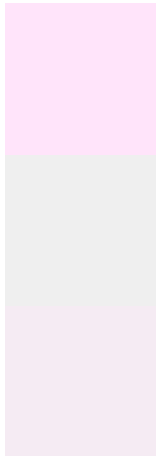
Deuteranomaly

83.8234, 0.3157, 0.3085

Tritanomaly

83.8868, 0.3177, 0.3105

Monochromacy



Original Color

83.6489, 0.3171, 0.3076

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.3002, 0.3144, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6489, 0.3171, 0.3076 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(255, 228, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 250)  
}
```

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(255, 228, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 250) }
```

Border

The CSS property to change the border of an element to Yxy 83.6489, 0.3171, 0.3076 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(255, 228, 250) }
```

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

```
.border{ border-color:rgb(255, 228, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6489, 0.3171, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 250) }
```

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

```
.background{ background-color: rgb(255,  
228, 250) }
```

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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