

Converting Colors

$Yxy(83.6374, 0.3192, 0.3045)$

Have a look what the booklet for
Yxy(83.6374, 0.3192, 0.3045)
contains.

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Color

Yxy(82.6810, 0.3160, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2FC
RGB	255, 226, 252
RGB Percent	100%, 89%, 99%
CMY	0.0000, 0.1138, 0.0117
CMYK	0.00, 0.11, 0.01, 0.00
HSL	306°, 100%, 94%
HSV	306°, 11%, 100%
XYZ	86.0296, 82.6810, 103.5350
YIQ	237.6350, 8.9380, 14.2340

Conversions

Conversions Part 2

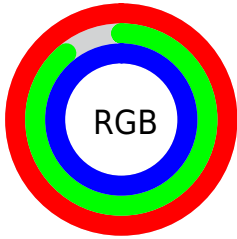
Format	Color
R _Y B	255, 226, 252
Decimal	16769788
CIE Lab	92.87, 14.37, -8.96
CIE LCh	93, 16.934, 328.073
Yxy	82.6810, 0.3160, 0.3037
Android (android.graphics.Color)	4294959868 (0xFFFFE2FC)
YUV	237.6350, 7.0819, 15.2291
Hunter-Lab	90.9291, 9.7561, -3.8593

Details

The Yxy color $82.6810, 0.3160, 0.3037$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $93.3400, 0.3096, 0.3557$, and the grayscale version is $85.1326, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.0717, 0.3168, 0.2993$ is the 20% darker color. If you saturate the color by 10%, you get $69.6548, 0.3192, 0.2808$, and if you desaturate by 10%, it is $97.7500, 0.3131, 0.3260$.

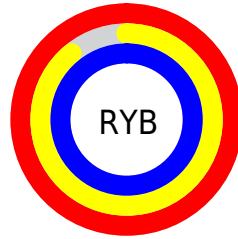
Distribution



Red (100%)

Green (89%)

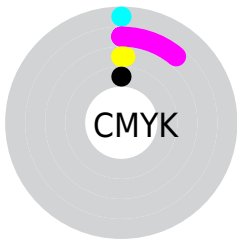
Blue (99%)



Red (100%)

Yellow (89%)

Blue (99%)

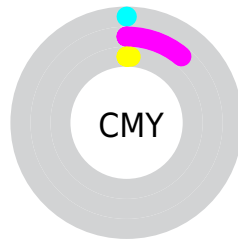


Cyan (0%)

Magenta (11%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6810, 0.3160, 0.3037 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 82.6810, 0.3160, 0.3037 by changing the saturation by 10% instead.

 82.6810, 0.3160,
0.3037

 82.6810, 0.3160,
0.3037

503.9228, 0.3146,
0.3149

 61.9270, 0.3163,
0.3012


137.1286, 0.3155,
0.3075

 44.9737, 0.3166,
0.2983

171.5910, 0.3154,
0.3090

 31.4367, 0.3170,
0.2946


211.3917, 0.3152,
0.3103

 20.9316, 0.3175,
0.2899

256.9150, 0.3151,
0.3115

 13.0740, 0.3181,
0.2837

308.5454, 0.3149,
0.3125

 7.4796, 0.3189,
0.2753

366.6672, 0.3148,

 3.7638, 0.3199,

0.3134

0.2630

431.6649, 0.3147,
0.3142

■ 1.5423, 0.3212,
0.2434

■ 0.3182, 0.3360,
0.1637

■ 82.6810, 0.3160,
0.3037

■ 82.6810, 0.3160,
0.3037

■ 69.6548, 0.3192,
0.2808

■ 97.7500, 0.3131,
0.3260

■ 58.6132, 0.3227,
0.2580

100.0000, 0.3127,
0.3290

■ 49.4479, 0.3265,
0.2360

■ 42.0531, 0.3306,
0.2159

■ 36.3126, 0.3347,
0.1985

■ 32.0961, 0.3388,
0.1849

■ 29.2539, 0.3427,
0.1756

■ 27.6063, 0.3463,
0.1708

■ 26.9065, 0.3492,
0.1697

Harmonies

Analogous

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



82.6810, 0.2967, 0.2968



82.6810, 0.3160, 0.3037



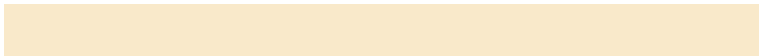
82.6810, 0.3350, 0.3169

Triad

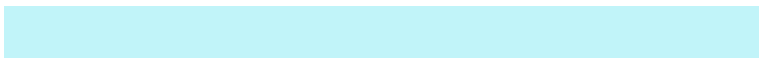
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6810, 0.3160, 0.3037



82.6810, 0.3439, 0.3605



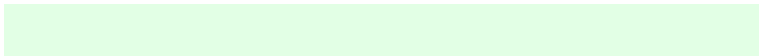
82.6810, 0.2786, 0.3230

Complementary

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



82.6810, 0.3160, 0.3037



93.3400, 0.3096, 0.3557

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.



82.6810, 0.2905, 0.3413



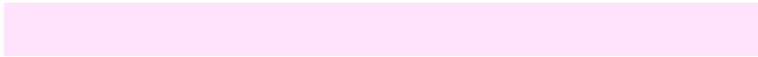
82.6810, 0.3160, 0.3037



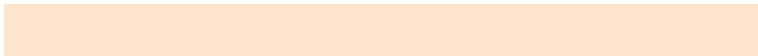
82.6810, 0.3281, 0.3634

Square

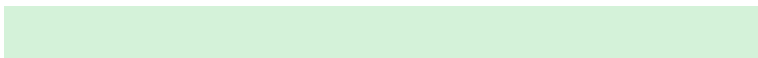
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6810, 0.3160, 0.3037



82.6810, 0.3513, 0.3492



82.6810, 0.3085, 0.3564



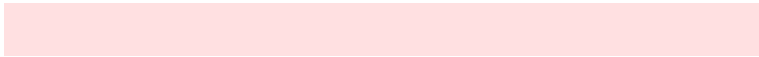
82.6810, 0.2755, 0.3072

Rectangle

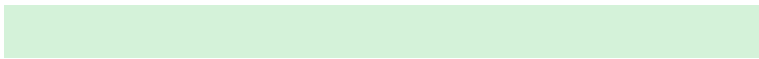
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6810, 0.3160, 0.3037



82.6810, 0.3446, 0.3277



82.6810, 0.3085, 0.3564



82.6810, 0.2817, 0.3291

Sweetspot

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



82.6702, 0.3159, 0.3037



95.1653, 0.3135, 0.3224



78.2390, 0.2966, 0.2993



20.0997, 0.3137, 0.3207



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.



82.6702, 0.3159, 0.3037



79.0658, 0.3168, 0.2977



81.7895, 0.3254, 0.3176



18.2663, 0.3154, 0.3079



14.0723, 0.3487, 0.1694



1.3791, 0.3451, 0.1675

Inverse Universe

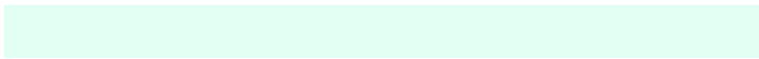
The Inverse Universe completely reimagines the original color for something new.



82.6702, 0.3159, 0.3037



79.0658, 0.3168, 0.2977



94.1799, 0.3015, 0.3407



18.2663, 0.3154, 0.3079



14.0723, 0.3487, 0.1694



1.3791, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 82.6810, 0.3160, 0.3037 looks on a white background.

Color Contrast Check

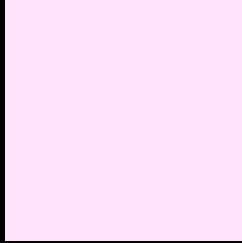
Large Text (above 18pt) WCAG AA × Fail

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 82.6810, 0.3160, 0.3037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

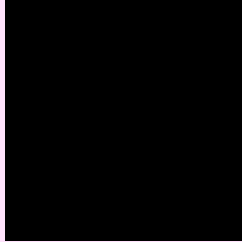
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6810, 0.3160, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 82.6810, 0.3160, 0.3037.

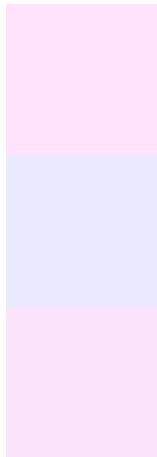


This preview shows how white text looks on a background with the Yxy color 82.6810, 0.3160, 0.3037.

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

82.6810, 0.3160, 0.3037

Protanopia

82.8215, 0.2993, 0.3068

Deuteranopia

82.8391, 0.3125, 0.3055



Tritanopia

82.6016, 0.3197, 0.3114

Trichromacy



Original Color

82.6810, 0.3160, 0.3037

Protanomaly

82.4502, 0.3051, 0.3051

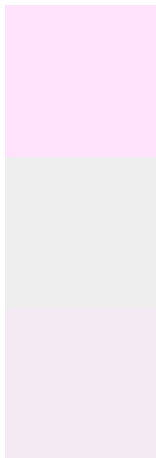
Deuteranomaly

82.6619, 0.3139, 0.3046

Tritanomaly

82.7863, 0.3178, 0.3085

Monochromacy



Original Color

82.6810, 0.3160, 0.3037

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.5498, 0.3138, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6810, 0.3160, 0.3037 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, 226, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 252)  
}
```

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, 226, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 252) }
```

Border

The CSS property to change the border of an element to Yxy 82.6810, 0.3160, 0.3037 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, 226, 252) }
```

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

```
.border{ border-color:rgb(255, 226, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 226, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6810, 0.3160, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 252) }
```

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

```
.background{ background-color: rgb(255,  
226, 252) }
```

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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