

Converting Colors

$Y_{xy}(102.3731, 0.2379, 0.1948)$

Have a look what the booklet for
Yxy(102.3731, 0.2379, 0.1948)
contains.

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Color

Yxy(87.7075, 0.3130, 0.3097)

Conversions

Conversions Part 1

Format	Color
Hex	FEEBFF
RGB	254, 235, 255
RGB Percent	100%, 92%, 100%
CMY	0.0037, 0.0785, 0.0001
CMYK	0.00, 0.08, 0.00, 0.00
HSL	297°, 100%, 96%
HSV	297°, 8%, 100%
XYZ	88.6421, 87.7075, 106.8519
YIQ	242.9610, 4.9040, 10.2480

Conversions

Conversions Part 2

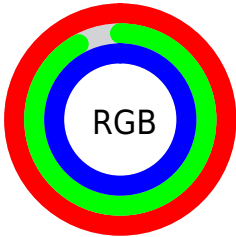
Format	Color
R_{YB}	254, 235, 255
Decimal	16706559
CIE Lab	95.04, 9.90, -7.30
CIE LCh	95, 12.300, 323.569
Yxy	87.7075, 0.3130, 0.3097
Android (android.graphics.Color)	4294896639 (0xFFFEEBFF)
YUV	242.9610, 5.9352, 9.6812
Hunter-Lab	93.6523, 5.0591, -2.0899

Details

The Yxy color $87.7075, 0.3130, 0.3097$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $95.3296, 0.3124, 0.3490$, and the grayscale version is $89.5503, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.1877, 0.3130, 0.3057$ is the 20% darker color. If you saturate the color by 10%, you get $73.9176, 0.3133, 0.2844$, and if you desaturate by 10%, it is $99.9991, 0.3127, 0.3290$.

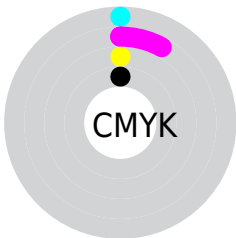
Distribution



- Red (100%)
- Green (92%)
- Blue (100%)



- Red (100%)
- Yellow (92%)
- Blue (100%)



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7075, 0.3130, 0.3097 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 87.7075, 0.3130, 0.3097 by changing the saturation by 10% instead.


 87.7075, 0.3130,
0.3097

 87.7075, 0.3130,
0.3097

520.5449, 0.3129,
0.3182

 66.0809, 0.3130,
0.3078

144.1499, 0.3130,
0.3126

 48.3380, 0.3130,
0.3056


179.7344, 0.3130,
0.3137

 34.0947, 0.3130,
0.3028


220.7403, 0.3130,
0.3147

 22.9663, 0.3130,
0.2993

267.5520, 0.3130,
0.3156

 14.5686, 0.3129,
0.2947

320.5540, 0.3130,
0.3164

 8.5172, 0.3128,
0.2884

380.1305, 0.3129,

 4.4276, 0.3125,

0.3170

0.2792

446.6660, 0.3129,
0.3177

■ 1.9155, 0.3118,
0.2649

■ 0.5577, 0.3142,
0.2271

■ 87.7075, 0.3130,
0.3097

■ 87.7075, 0.3130,
0.3097

■ 73.9176, 0.3133,
0.2844

99.9991, 0.3127,
0.3290

■ 62.1294, 0.3134,
0.2589

■ 52.2518, 0.3134,
0.2341

■ 44.1821, 0.3132,
0.2109

■ 37.8080, 0.3128,
0.1904

■ 33.0050, 0.3122,
0.1735

■ 29.6310, 0.3113,
0.1608

■ 27.5187, 0.3103,
0.1525

■ 26.4443, 0.3092,
0.1482

Harmonies

Analogous

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



87.7075, 0.2995, 0.3055



87.7075, 0.3130, 0.3097



87.7075, 0.3267, 0.3187

Triad

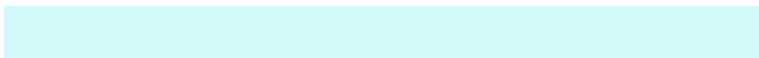
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7075, 0.3130, 0.3097



87.7075, 0.3361, 0.3506



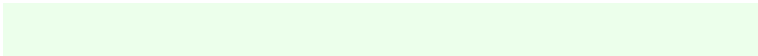
87.7075, 0.2892, 0.3268

Complementary

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



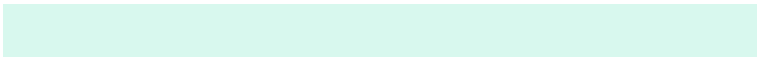
87.7075, 0.3130, 0.3097



95.3296, 0.3124, 0.3490

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.



87.7075, 0.2986, 0.3396



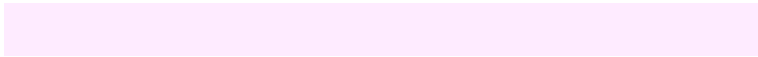
87.7075, 0.3130, 0.3097



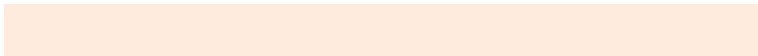
87.7075, 0.3257, 0.3535

Square

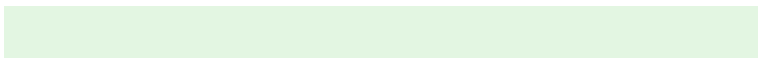
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



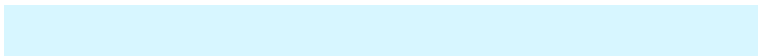
87.7075, 0.3130, 0.3097



87.7075, 0.3403, 0.3421



87.7075, 0.3120, 0.3495



87.7075, 0.2859, 0.3150

Rectangle

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



87.7075, 0.3130, 0.3097



87.7075, 0.3341, 0.3264



87.7075, 0.3120, 0.3495



87.7075, 0.2917, 0.3311

Sweetspot

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



87.7113, 0.3130, 0.3097



96.7437, 0.3128, 0.3241



84.8662, 0.3006, 0.3100



20.7412, 0.3128, 0.3244



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.



87.7113, 0.3130, 0.3097



86.0178, 0.3130, 0.3068



87.3227, 0.3192, 0.3183



18.2544, 0.3131, 0.3055



13.7519, 0.3092, 0.1477



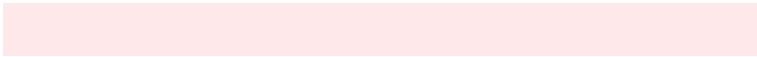
1.3518, 0.3106, 0.1485

Inverse Universe

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



86.7216, 0.3257, 0.3281



84.8918, 0.3278, 0.3280



95.7029, 0.3067, 0.3399



18.0009, 0.3287, 0.3279



11.1285, 0.6354, 0.3274



1.0882, 0.6243, 0.3213

Previews

White Background



This preview shows how the Yxy color 87.7075, 0.3130, 0.3097 looks on a white background.

Color Contrast Check

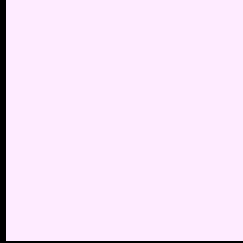
Large Text (above 18pt) WCAG AA × Fail

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 87.7075, 0.3130, 0.3097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

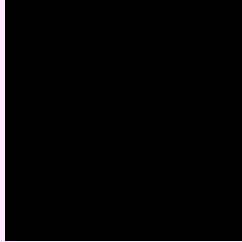
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

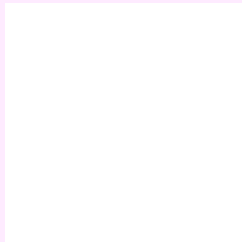
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7075, 0.3130, 0.3097

Background



This preview shows how black text looks on a background with the Yxy color 87.7075, 0.3130, 0.3097.

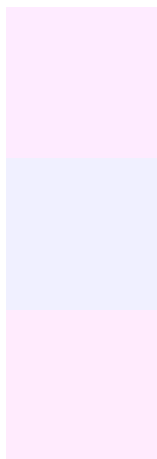


This preview shows how white text looks on a background with the Yxy color 87.7075, 0.3130, 0.3097.

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

87.7075, 0.3130, 0.3097

Protanopia

88.0654, 0.3037, 0.3142

Deuteranopia

87.7685, 0.3149, 0.3116



Tritanopia

87.6432, 0.3136, 0.3106

Trichromacy



Original Color

87.7075, 0.3130, 0.3097

Protanomaly

87.7815, 0.3070, 0.3123

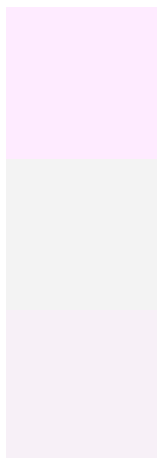
Deuteranomaly

87.8324, 0.3142, 0.3107

Tritanomaly

87.6432, 0.3136, 0.3106

Monochromacy



Original Color

87.7075, 0.3130, 0.3097

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

88.8097, 0.3130, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7075, 0.3130, 0.3097 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(254, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 235, 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(254, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.7075, 0.3130, 0.3097 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(254, 235, 255) }
```

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

```
.border{ border-color:rgb(254, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7075, 0.3130, 0.3097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 235, 255) }
```

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

```
.background{ background-color: rgb(254,  
235, 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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