

Converting Colors

$Y_{xy}(87.2773, 0.3148, 0.3105)$

Have a look what the booklet for
Yxy(87.2773, 0.3148, 0.3105)
contains.

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Color

Yxy(87.1975, 0.3149, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAFD
RGB	255, 234, 253
RGB Percent	100%, 92%, 99%
CMY	0.0002, 0.0823, 0.0080
CMYK	0.00, 0.08, 0.01, 0.00
HSL	306°, 100%, 96%
HSV	306°, 8%, 100%
XYZ	88.3762, 87.1975, 105.0748
YIQ	242.4450, 6.4170, 10.3610

Conversions

Conversions Part 2

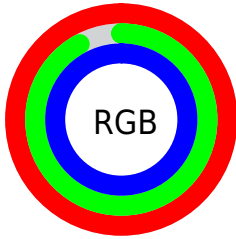
Format	Color
R_{YB}	255, 234, 253
Decimal	16771837
CIE _{Lab}	94.82, 10.34, -6.57
CIE _{LCh}	95, 12.247, 327.567
Yxy	87.1975, 0.3149, 0.3107
Android (android.graphics.Color)	4294961917 (0xFFFFEAFD)
YUV	242.4450, 5.2036, 11.0107
Hunter-Lab	93.3796, 5.5215, -1.3500

Details

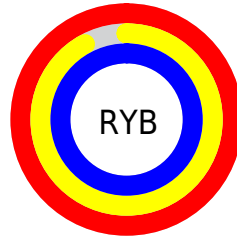
The Yxy color $87.1975, 0.3149, 0.3107$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $95.0460, 0.3106, 0.3480$, and the grayscale version is $89.1157, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.8321, 0.3155, 0.3069$ is the 20% darker color. If you saturate the color by 10%, you get $73.5585, 0.3179, 0.2878$, and if you desaturate by 10%, it is $99.9919, 0.3127, 0.3290$.

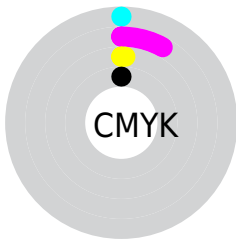
Distribution



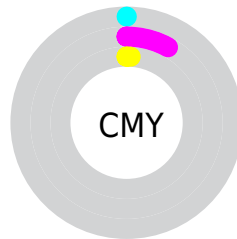
- Red (100%)
- Green (92%)
- Blue (99%)



- Red (100%)
- Yellow (92%)
- Blue (99%)



- Cyan (0%)
- Magenta (8%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1975, 0.3149, 0.3107 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 87.1975, 0.3149, 0.3107 by changing the saturation by 10% instead.


 87.1975, 0.3149,
0.3107

 87.1975, 0.3149,
0.3107


518.8716, 0.3140,
0.3188

 65.6587, 0.3151,
0.3089

143.4394, 0.3146,
0.3134

 47.9954, 0.3153,
0.3068


178.9112, 0.3145,
0.3145

 33.8232, 0.3156,
0.3042


219.7962, 0.3144,
0.3155

 22.7578, 0.3159,
0.3008

266.4787, 0.3143,
0.3163

 14.4148, 0.3164,
0.2964

319.3431, 0.3142,
0.3170

 8.4097, 0.3169,
0.2904

378.7737, 0.3141,

 4.3582, 0.3177,

0.3177

0.2816

445.1551, 0.3140,
0.3183

■ 1.8759, 0.3187,
0.2678

■ 0.5338, 0.3252,
0.2285

■ 87.1975, 0.3149,
0.3107

■ 87.1975, 0.3149,
0.3107

■ 73.5585, 0.3179,
0.2878

99.9919, 0.3127,
0.3290

■ 61.9177, 0.3211,
0.2647

■ 52.1839, 0.3247,
0.2422

■ 44.2541, 0.3284,
0.2212

■ 38.0157, 0.3323,
0.2028

■ 33.3435, 0.3361,
0.1878

■ 30.0948, 0.3398,
0.1770

■ 28.1012, 0.3432,
0.1707

■ 27.1309, 0.3463,
0.1686

Harmonies

Analogous

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



87.1975, 0.3011, 0.3058



87.1975, 0.3149, 0.3107



87.1975, 0.3283, 0.3202

Triad

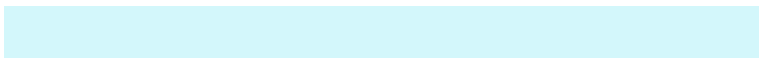
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1975, 0.3149, 0.3107



87.1975, 0.3350, 0.3513



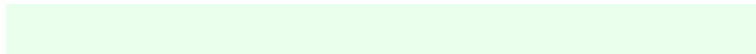
87.1975, 0.2884, 0.3251

Complementary

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



87.1975, 0.3149, 0.3107



95.0460, 0.3106, 0.3480

Split Complementary

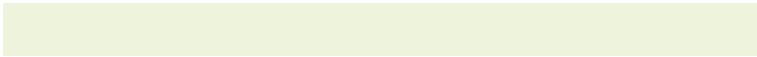
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1975, 0.2971, 0.3379



87.1975, 0.3149, 0.3107



87.1975, 0.3240, 0.3533

Square

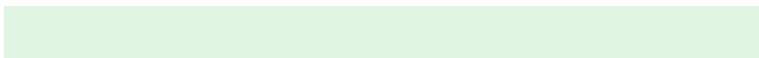
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



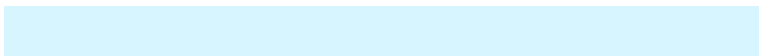
87.1975, 0.3149, 0.3107



87.1975, 0.3401, 0.3434



87.1975, 0.3101, 0.3484



87.1975, 0.2861, 0.3138

Rectangle

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



87.1975, 0.3149, 0.3107



87.1975, 0.3352, 0.3280



87.1975, 0.3101, 0.3484



87.1975, 0.2907, 0.3294

Sweetspot

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



87.2013, 0.3149, 0.3107



96.7579, 0.3132, 0.3246



83.8700, 0.3011, 0.3080



20.7441, 0.3132, 0.3248



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.



87.2013, 0.3149, 0.3107



84.6408, 0.3154, 0.3066



86.5671, 0.3214, 0.3205



18.2689, 0.3153, 0.3078



14.1295, 0.3464, 0.1682



1.3840, 0.3431, 0.1664

Inverse Universe

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



87.2013, 0.3149, 0.3107



84.6408, 0.3154, 0.3066



95.6574, 0.3048, 0.3376



18.2689, 0.3153, 0.3078



14.1295, 0.3464, 0.1682



1.3840, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 87.1975, 0.3149, 0.3107 looks on a white background.

Color Contrast Check

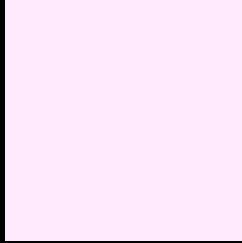
Large Text (above 18pt) WCAG AA × Fail

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 87.1975, 0.3149, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

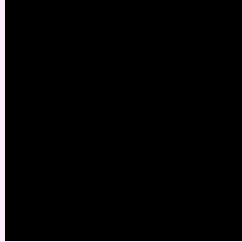
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.1975, 0.3149, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 87.1975, 0.3149, 0.3107.

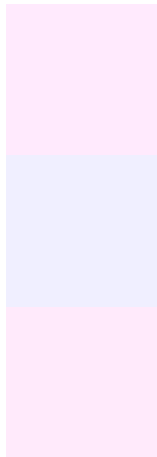


This preview shows how white text looks on a background with the Yxy color 87.1975, 0.3149, 0.3107.

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

87.1975, 0.3149, 0.3107

Protanopia

87.4783, 0.3037, 0.3131

Deuteranopia

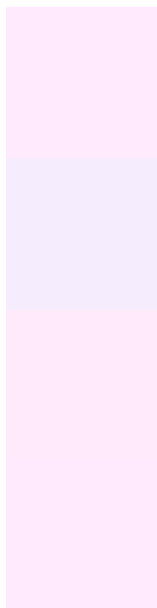
87.0707, 0.3162, 0.3126



Tritanopia

87.1975, 0.3149, 0.3107

Trichromacy



Original Color

87.1975, 0.3149, 0.3107

Protanomaly

87.1366, 0.3076, 0.3123

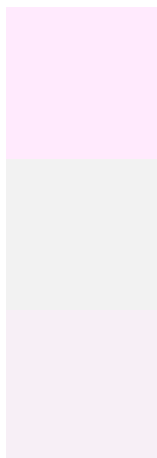
Deuteranomaly

87.1339, 0.3155, 0.3116

Tritanomaly

87.1975, 0.3149, 0.3107

Monochromacy



Original Color

87.1975, 0.3149, 0.3107

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.1610, 0.3137, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1975, 0.3149, 0.3107 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, 234, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 253)  
}
```

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, 234, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 253) }
```

Border

The CSS property to change the border of an element to Yxy 87.1975, 0.3149, 0.3107 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, 234, 253) }
```

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

```
.border{ border-color:rgb(255, 234, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1975, 0.3149, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 253) }
```

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

```
.background{ background-color: rgb(255,  
234, 253) }
```

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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