

Converting Colors

$Y_{xy}(100.0000, 0.3514, 0.3130)$

Have a look what the booklet for
Yxy(100.0000, 0.3514, 0.3130)
contains.

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Color

Yxy(87.8324, 0.3142, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBFE
RGB	255, 235, 254
RGB Percent	100%, 92%, 100%
CMY	0.0002, 0.0783, 0.0039
CMYK	0.00, 0.08, 0.00, 0.00
HSL	303°, 99%, 96%
HSV	303°, 8%, 100%
XYZ	88.8218, 87.8324, 106.0378
YIQ	243.1460, 5.8210, 10.1490

Conversions

Conversions Part 2

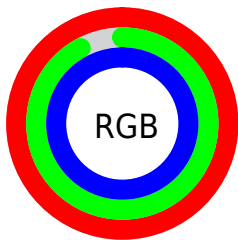
Format	Color
R _Y B	255, 235, 254
Decimal	16772094
CIE Lab	95.09, 10.00, -6.71
CIE LCh	95, 12.040, 326.146
Yxy	87.8324, 0.3142, 0.3107
Android (android.graphics.Color)	4294962174 (0xFFFFEAFE)
YUV	243.1460, 5.3510, 10.3960
Hunter-Lab	93.7189, 5.1646, -1.4801

Details

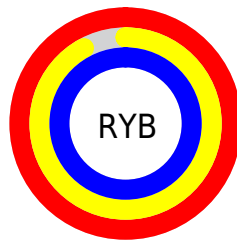
The Yxy color $87.8324, 0.3142, 0.3107$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $95.2046, 0.3112, 0.3480$, and the grayscale version is $89.7006, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.2772, 0.3146, 0.3069$ is the 20% darker color. If you saturate the color by 10%, you get $74.1899, 0.3163, 0.2867$, and if you desaturate by 10%, it is $99.9893, 0.3127, 0.3290$.

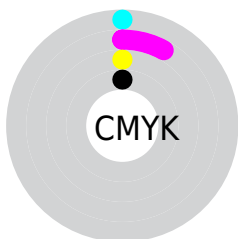
Distribution



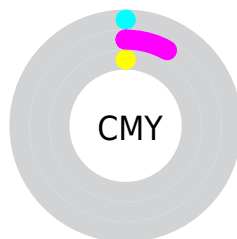
- Red (100%)
- Green (92%)
- Blue (100%)



- 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 87.8324, 0.3142, 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 87.8324, 0.3142, 0.3107 by changing the saturation by 10% instead.


 87.8324, 0.3142,
0.3107

 87.8324, 0.3142,
0.3107


520.9542, 0.3136,
0.3188

 66.1843, 0.3143,
0.3089


144.3238, 0.3140,
0.3134

 48.4220, 0.3145,
0.3068


179.9359, 0.3139,
0.3145

 34.1612, 0.3146,
0.3042


220.9714, 0.3139,
0.3155

 23.0175, 0.3148,
0.3008

267.8147, 0.3138,
0.3163

 14.6064, 0.3151,
0.2964

320.8503, 0.3137,
0.3170

 8.5436, 0.3154,
0.2905

380.4624, 0.3137,

 4.4447, 0.3158,

0.3177

0.2818

447.0356, 0.3136,
0.3182

■ 1.9253, 0.3162,
0.2681

■ 0.5635, 0.3208,
0.2318

■ 87.8324, 0.3142,
0.3107

■ 87.8324, 0.3142,
0.3107

■ 74.1899, 0.3163,
0.2867

99.9893, 0.3127,
0.3290

■ 62.5477, 0.3185,
0.2625

■ 52.8146, 0.3208,
0.2391

■ 44.8881, 0.3231,
0.2173

■ 38.6560, 0.3255,
0.1982

■ 33.9938, 0.3277,
0.1826

■ 30.7596, 0.3297,
0.1712

■ 28.7862, 0.3315,
0.1643

■ 27.8504, 0.3330,
0.1614

Harmonies

Analogous

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



87.8324, 0.3008, 0.3062



87.8324, 0.3142, 0.3107



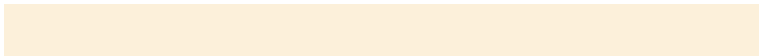
87.8324, 0.3275, 0.3198

Triad

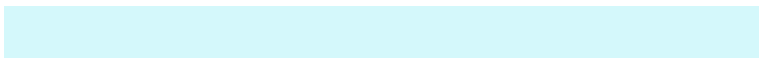
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8324, 0.3142, 0.3107



87.8324, 0.3350, 0.3507



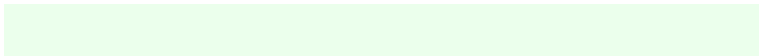
87.8324, 0.2892, 0.3258

Complementary

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



87.8324, 0.3142, 0.3107



95.2046, 0.3112, 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.



87.8324, 0.2980, 0.3383



87.8324, 0.3142, 0.3107



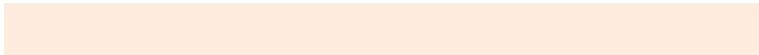
87.8324, 0.3244, 0.3529

Square

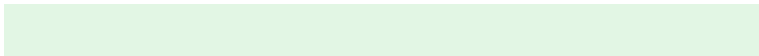
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8324, 0.3142, 0.3107



87.8324, 0.3396, 0.3427



87.8324, 0.3108, 0.3484



87.8324, 0.2865, 0.3145

Rectangle

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



87.8324, 0.3142, 0.3107



87.8324, 0.3344, 0.3275



87.8324, 0.3108, 0.3484



87.8324, 0.2915, 0.3300

Sweetspot

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



87.8362, 0.3142, 0.3107



96.7736, 0.3131, 0.3244



84.4271, 0.3011, 0.3090



20.7473, 0.3131, 0.3246



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.



87.8362, 0.3142, 0.3107



86.1517, 0.3144, 0.3079



87.2315, 0.3203, 0.3200



18.2847, 0.3145, 0.3067



14.4947, 0.3331, 0.1609



1.4157, 0.3316, 0.1601

Inverse Universe

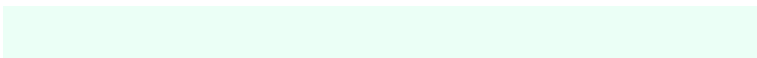
The Inverse Universe completely reimagines the original color for something new.



87.8362, 0.3142, 0.3107



86.1517, 0.3144, 0.3079



95.7826, 0.3058, 0.3382



18.2847, 0.3145, 0.3067



14.4947, 0.3331, 0.1609



1.4157, 0.3316, 0.1601

Previews

White Background



This preview shows how the Yxy color 87.8324, 0.3142, 0.3107 looks on a white background.

Color Contrast Check

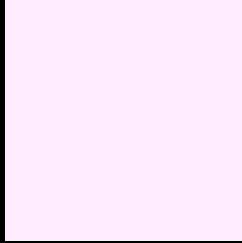
Large Text (above 18pt) WCAG AA × Fail

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 87.8324, 0.3142, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

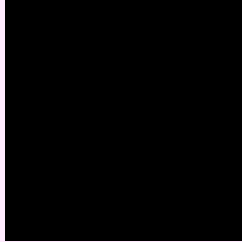
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

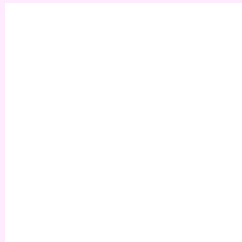
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8324, 0.3142, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 87.8324, 0.3142, 0.3107.

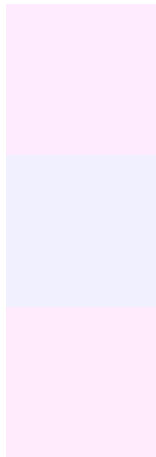


This preview shows how white text looks on a background with the Yxy color 87.8324, 0.3142, 0.3107.

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

87.8324, 0.3142, 0.3107

Protanopia

88.2409, 0.3044, 0.3142

Deuteranopia

87.7049, 0.3155, 0.3126



Tritanopia

87.8324, 0.3142, 0.3107

Trichromacy



Original Color

87.8324, 0.3142, 0.3107

Protanomaly

87.9619, 0.3076, 0.3124

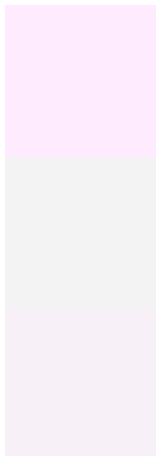
Deuteranomaly

87.7685, 0.3149, 0.3116

Tritanomaly

87.8324, 0.3142, 0.3107

Monochromacy



Original Color

87.8324, 0.3142, 0.3107

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 87.8324, 0.3142, 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, 235, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 254)  
}
```

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, 235, 254) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 87.8324, 0.3142, 0.3107 is called "border". The border property can be set on classes, ids or directly on the HTML element.

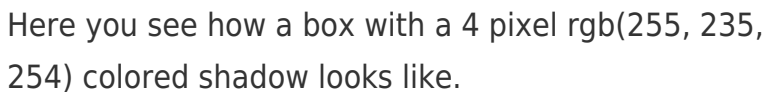
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 235, 254) }
```

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

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

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



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

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


Background

The CSS property to change the background color of an element to Yxy 87.8324, 0.3142, 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, 235, 254) }
```

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

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

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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