

Converting Colors

$Y_{xy}(87.6183, 0.3136, 0.3106)$

Have a look what the booklet for
Yxy(87.6183, 0.3136, 0.3106)
contains.

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Color

Yxy(87.6432, 0.3136, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	FEEBFE
RGB	254, 235, 254
RGB Percent	100%, 92%, 100%
CMY	0.0037, 0.0785, 0.0038
CMYK	0.00, 0.08, 0.00, 0.00
HSL	300°, 91%, 96%
HSV	300°, 8%, 100%
XYZ	88.4897, 87.6432, 106.0409
YIQ	242.8470, 5.2250, 9.9370

Conversions

Conversions Part 2

Format	Color
R_{YB}	254, 235, 254
Decimal	16706558
CIE _{Lab}	95.01, 9.73, -6.85
CIE _{LCh}	95, 11.900, 324.874
Yxy	87.6432, 0.3136, 0.3106
Android (android.graphics.Color)	4294896638 (0xFFFEEBFE)
YUV	242.8470, 5.4984, 9.7812
Hunter-Lab	93.6179, 4.8907, -1.6251

Details

The Yxy color $87.6432, 0.3136, 0.3106$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.5796, 0.3118, 0.3481$, and the grayscale version is $89.4607, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.1417, 0.3138, 0.3069$ is the 20% darker color. If you saturate the color by 10%, you get $74.1219, 0.3148, 0.2855$, and if you desaturate by 10%, it is $99.7622, 0.3127, 0.3299$.

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 87.6432, 0.3136, 0.3106 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 87.6432, 0.3136, 0.3106 by changing the saturation by 10% instead.


 87.6432, 0.3136,
0.3106

 87.6432, 0.3136,
0.3106


520.3341, 0.3133,
0.3187

 66.0276, 0.3137,
0.3088

144.0603, 0.3135,
0.3133

 48.2948, 0.3137,
0.3067


179.6306, 0.3134,
0.3144

 34.0604, 0.3138,
0.3040


220.6213, 0.3134,
0.3154

 22.9400, 0.3139,
0.3007

267.4168, 0.3134,
0.3162

 14.5492, 0.3140,
0.2962

320.4014, 0.3133,
0.3169

 8.5036, 0.3141,
0.2902

379.9595, 0.3133,

 4.4189, 0.3142,

0.3176

0.2814

446.4756, 0.3133,
0.3182

■ 1.9105, 0.3141,
0.2676

■ 0.5547, 0.3177,
0.2304

■ 87.6432, 0.3136,
0.3106

■ 87.6432, 0.3136,
0.3106

■ 74.1219, 0.3148,
0.2855

99.7622, 0.3127,
0.3299

■ 62.5867, 0.3160,
0.2604

99.7649, 0.3126,
0.3298

■ 52.9475, 0.3172,
0.2361

99.7675, 0.3126,
0.3298

■ 45.1028, 0.3183,
0.2136

99.7702, 0.3126,
0.3298

■ 38.9417, 0.3193,
0.1939

99.7729, 0.3126,
0.3297

■ 34.3412, 0.3201,
0.1778

99.7755, 0.3125,
0.3297

■ 31.1613, 0.3207,
0.1660

99.7782, 0.3125,
0.3296

■ 29.2371, 0.3211,
0.1585

99.7809, 0.3125,
0.3296

■ 28.3530, 0.3213,
0.1549

99.7835, 0.3125,
0.3296

Harmonies

Analogous

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



87.6432, 0.3004, 0.3063



87.6432, 0.3136, 0.3106



87.6432, 0.3268, 0.3195

Triad

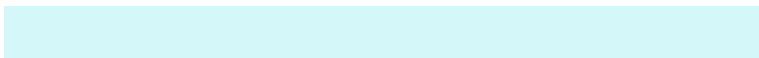
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6432, 0.3136, 0.3106



87.6432, 0.3351, 0.3502



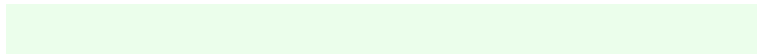
87.6432, 0.2897, 0.3264

Complementary

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



87.6432, 0.3136, 0.3106



94.5796, 0.3118, 0.3481

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.



87.6432, 0.2986, 0.3387



87.6432, 0.3136, 0.3106



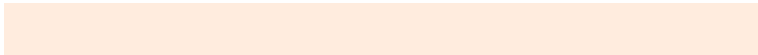
87.6432, 0.3248, 0.3526

Square

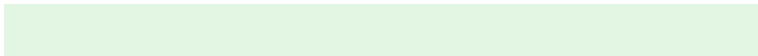
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



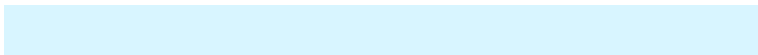
87.6432, 0.3136, 0.3106



87.6432, 0.3393, 0.3421



87.6432, 0.3114, 0.3485



87.6432, 0.2868, 0.3151

Rectangle

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



87.6432, 0.3136, 0.3106



87.6432, 0.3337, 0.3270



87.6432, 0.3114, 0.3485



87.6432, 0.2921, 0.3305

Sweetspot

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



87.6470, 0.3136, 0.3106



96.7885, 0.3129, 0.3242



84.2264, 0.3011, 0.3098



20.7504, 0.3129, 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.



87.6470, 0.3136, 0.3106



86.2190, 0.3138, 0.3069



87.0528, 0.3195, 0.3197



18.2999, 0.3138, 0.3056



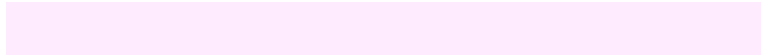
14.8676, 0.3213, 0.1544



1.4478, 0.3213, 0.1544

Inverse Universe

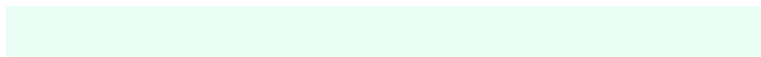
The Inverse Universe completely reimagines the original color for something new.



87.6470, 0.3136, 0.3106



86.2190, 0.3138, 0.3069



95.1439, 0.3064, 0.3385



18.2999, 0.3138, 0.3056



14.8676, 0.3213, 0.1544



1.4478, 0.3213, 0.1544

Previews

White Background



This preview shows how the Yxy color 87.6432, 0.3136, 0.3106 looks on a white background.

Color Contrast Check

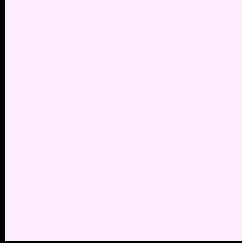
Large Text (above 18pt) WCAG AA × Fail

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 87.6432, 0.3136, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

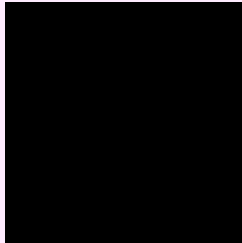
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

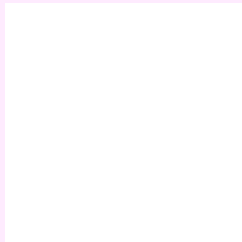
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6432, 0.3136, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 87.6432, 0.3136, 0.3106.

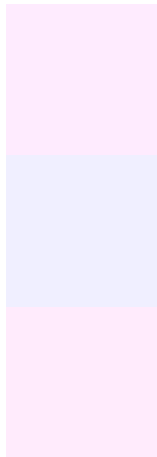


This preview shows how white text looks on a background with the Yxy color 87.6432, 0.3136, 0.3106.

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

87.6432, 0.3136, 0.3106

Protanopia

87.4783, 0.3037, 0.3131

Deuteranopia

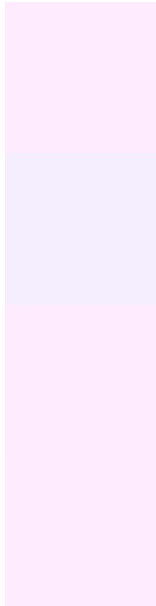
87.7049, 0.3155, 0.3126



Tritanopia

87.6432, 0.3136, 0.3106

Trichromacy



Original Color

87.6432, 0.3136, 0.3106

Protanomaly

87.7815, 0.3070, 0.3123

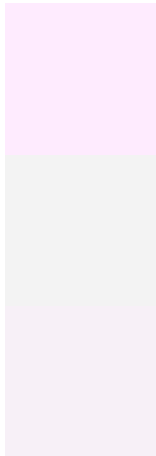
Deuteranomaly

87.7685, 0.3149, 0.3116

Tritanomaly

87.6432, 0.3136, 0.3106

Monochromacy



Original Color

87.6432, 0.3136, 0.3106

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 87.6432, 0.3136, 0.3106 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, 254)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 87.6432, 0.3136, 0.3106 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, 254) }
```

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

```
.border{ border-color:rgb(254, 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(254, 235, 254)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 87.6432, 0.3136, 0.3106 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, 254) }
```

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

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