

Converting Colors

$Y_{xy}(100.0000, 0.3551, 0.3155)$

Have a look what the booklet for
Yxy(100.0000, 0.3551, 0.3155)
contains.

Yxy(87.6417, 0.3161, 0.3135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.6417, 0.3161, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFBF
RGB	255, 235, 251
RGB Percent	100%, 92%, 98%
CMY	0.0000, 0.0784, 0.0156
CMYK	0.00, 0.08, 0.02, 0.00
HSL	312°, 100%, 96%
HSV	312°, 8%, 100%
XYZ	88.3686, 87.6417, 103.5486
YIQ	242.8040, 6.7840, 9.2160

Conversions

Conversions Part 2

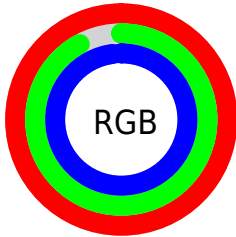
Format	Color
R_{YB}	255, 235, 251
Decimal	16772091
CIE _{Lab}	95.01, 9.51, -5.28
CIE _{LCh}	95, 10.881, 330.956
Yxy	87.6417, 0.3161, 0.3135
Android (android.graphics.Color)	4294962171 (0xFFFFE9FB)
YUV	242.8040, 4.0406, 10.6959
Hunter-Lab	93.6171, 4.6625, -0.0478

Details

The Yxy color **87.6417, 0.3161, 0.3135** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.4119, 0.3095, 0.3450**, and the grayscale version is **89.4278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1861, 0.3162, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **73.7574, 0.3210, 0.2930**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

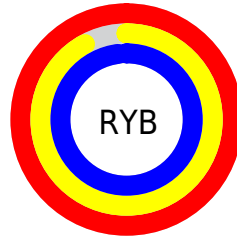
Distribution



Red (100%)

Green (92%)

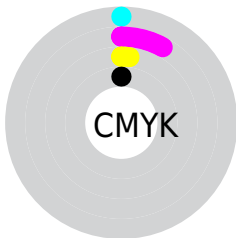
Blue (98%)



Red (100%)

Yellow (92%)

Blue (98%)

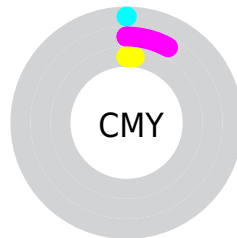


Cyan (0%)

Magenta (8%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6417, 0.3161, 0.3135 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 87.6417, 0.3161, 0.3135 by changing the saturation by 10% instead.

 87.6417, 0.3161,
0.3135

 87.6417, 0.3161,
0.3135


520.3292, 0.3146,
0.3204

 66.0264, 0.3164,
0.3120

144.0582, 0.3156,
0.3158

 48.2938, 0.3168,
0.3102


179.6282, 0.3154,
0.3167

 34.0596, 0.3173,
0.3079


220.6185, 0.3152,
0.3175

 22.9394, 0.3179,
0.3051

267.4136, 0.3151,
0.3182

 14.5488, 0.3186,
0.3013

320.3978, 0.3150,
0.3189

 8.5033, 0.3197,
0.2962

379.9555, 0.3148,

 4.4187, 0.3211,

0.3194

0.2887

446.4712, 0.3147,
0.3199

■ 1.9104, 0.3234,
0.2768

■ 0.5546, 0.3320,
0.2425

■ 87.6417, 0.3161,
0.3135

■ 87.6417, 0.3161,
0.3135

■ 73.7574, 0.3210,
0.2930

100.0000, 0.3127,
0.3290

■ 61.8853, 0.3266,
0.2723

■ 51.9309, 0.3330,
0.2518

■ 43.7916, 0.3399,
0.2325

■ 37.3550, 0.3474,
0.2155

■ 32.4964, 0.3553,
0.2016

■ 29.0737, 0.3632,
0.1919

■ 26.9195, 0.3709,
0.1869

■ 25.8098, 0.3783,
0.1864

Harmonies

Analogous

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



87.6417, 0.3038, 0.3086



87.6417, 0.3161, 0.3135



87.6417, 0.3277, 0.3223

Triad

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



87.6417, 0.3161, 0.3135



87.6417, 0.3316, 0.3493



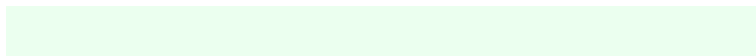
87.6417, 0.2906, 0.3243

Complementary

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



87.6417, 0.3161, 0.3135



95.4119, 0.3095, 0.3450

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.



87.6417, 0.2978, 0.3357



87.6417, 0.3161, 0.3135



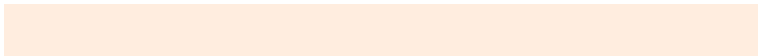
87.6417, 0.3214, 0.3503

Square

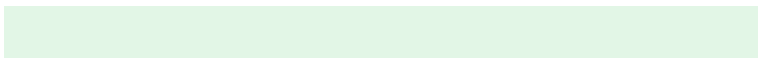
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



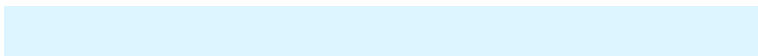
87.6417, 0.3161, 0.3135



87.6417, 0.3368, 0.3429



87.6417, 0.3090, 0.3453



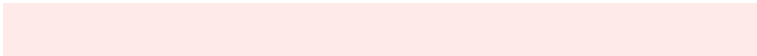
87.6417, 0.2892, 0.3146

Rectangle

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



87.6417, 0.3161, 0.3135



87.6417, 0.3334, 0.3294



87.6417, 0.3090, 0.3453



87.6417, 0.2924, 0.3281

Sweetspot

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



87.6423, 0.3161, 0.3135



96.7240, 0.3135, 0.3251



84.9279, 0.3029, 0.3091



20.7372, 0.3135, 0.3253



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.



87.6423, 0.3161, 0.3135



85.9314, 0.3166, 0.3112



87.0462, 0.3222, 0.3228



18.2349, 0.3169, 0.3102



13.4181, 0.3787, 0.1860



1.3215, 0.3708, 0.1816

Inverse Universe

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



87.6423, 0.3161, 0.3135



85.9314, 0.3166, 0.3112



96.0005, 0.3040, 0.3352



18.2349, 0.3169, 0.3102



13.4181, 0.3787, 0.1860



1.3215, 0.3708, 0.1816

Previews

White Background



This preview shows how the Yxy color 87.6417, 0.3161, 0.3135 looks on a white background.

Color Contrast Check

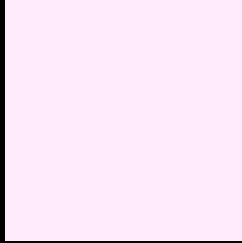
Large Text (above 18pt) WCAG AA × Fail

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 87.6417, 0.3161, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

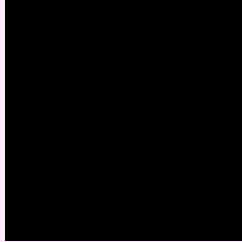
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

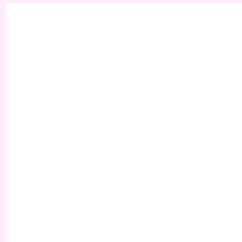
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6417, 0.3161, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 87.6417, 0.3161, 0.3135.

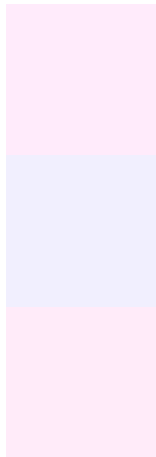


This preview shows how white text looks on a background with the Yxy color 87.6417, 0.3161, 0.3135.

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

87.6417, 0.3161, 0.3135

Protanopia

87.5895, 0.3050, 0.3142

Deuteranopia

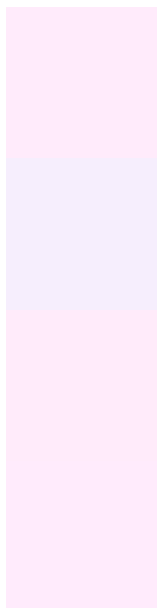
87.5162, 0.3174, 0.3154



Tritanopia

87.7685, 0.3149, 0.3116

Trichromacy



Original Color

87.6417, 0.3161, 0.3135

Protanomaly

87.8338, 0.3088, 0.3143

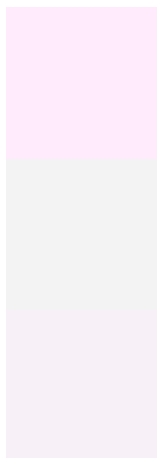
Deuteranomaly

87.5788, 0.3167, 0.3145

Tritanomaly

87.7049, 0.3155, 0.3126

Monochromacy



Original Color

87.6417, 0.3161, 0.3135

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

88.7482, 0.3136, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6417, 0.3161, 0.3135 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 251) }
```

Border

The CSS property to change the border of an element to Yxy 87.6417, 0.3161, 0.3135 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, 251) }
```

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

```
.border{ border-color:rgb(255, 235, 251) }
```

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, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6417, 0.3161, 0.3135 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, 251) }
```

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

```
.background{ background-color: rgb(255,  
235, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor