

Converting Colors

$Y_{xy}(86.6090, 0.3148, 0.3093)$

Have a look what the booklet for
Yxy(86.6090, 0.3148, 0.3093)
contains.

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Color

Yxy(86.6297, 0.3150, 0.3097)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9FD
RGB	255, 233, 253
RGB Percent	100%, 91%, 99%
CMY	0.0000, 0.0863, 0.0080
CMYK	0.00, 0.09, 0.01, 0.00
HSL	306°, 100%, 96%
HSV	306°, 9%, 100%
XYZ	88.1122, 86.6297, 104.9794
YIQ	241.8580, 6.6920, 10.8840

Conversions

Conversions Part 2

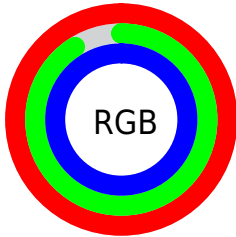
Format	Color
R_{YB}	255, 233, 253
Decimal	16771581
CIE _{Lab}	94.58, 10.89, -6.92
CIE _{LCh}	95, 12.904, 327.550
Yxy	86.6297, 0.3150, 0.3097
Android (android.graphics.Color)	4294961661 (0xFFFFE9FD)
YUV	241.8580, 5.4930, 11.5255
Hunter-Lab	93.0751, 6.1008, -1.7207

Details

The Yxy color 86.6297, 0.3150, 0.3097 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.8435, 0.3105, 0.3491, and the grayscale version is 88.6232, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 47.4356, 0.3155, 0.3056 is the 20% darker color. If you saturate the color by 10%, you get 73.0693, 0.3179, 0.2867, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

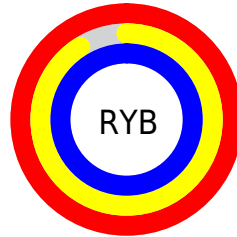
Distribution



Red (100%)

Green (91%)

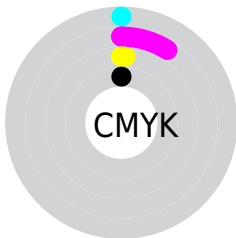
Blue (99%)



Red (100%)

Yellow (91%)

Blue (99%)

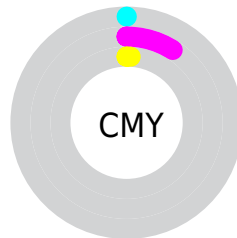


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6297, 0.3150, 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 86.6297, 0.3150, 0.3097 by changing the saturation by 10% instead.


 86.6297, 0.3150,
0.3097

 86.6297, 0.3150,
0.3097


517.0053, 0.3140,
0.3182

 65.1888, 0.3152,
0.3078


142.6479, 0.3147,
0.3126

 47.6142, 0.3154,
0.3056

177.9940, 0.3146,
0.3137

 33.5215, 0.3157,
0.3028


218.7439, 0.3144,
0.3147

 22.5262, 0.3161,
0.2992

265.2821, 0.3143,
0.3156

 14.2441, 0.3165,
0.2946

317.9930, 0.3143,
0.3164

 8.2906, 0.3171,
0.2882

377.2608, 0.3142,

 4.2815, 0.3178,

0.3171

0.2790

443.4702, 0.3141,
0.3177

■ 1.8322, 0.3188,
0.2644

■ 0.5071, 0.3261,
0.2212

■ 86.6297, 0.3150,
0.3097

■ 86.6297, 0.3150,
0.3097

■ 73.0693, 0.3179,
0.2867

100.0000, 0.3127,
0.3290

■ 61.5097, 0.3211,
0.2635

■ 51.8535, 0.3246,
0.2410

■ 43.9975, 0.3283,
0.2201

■ 37.8285, 0.3320,
0.2018

■ 33.2206, 0.3358,
0.1869

■ 30.0304, 0.3393,
0.1763

■ 28.0877, 0.3427,
0.1702

■ 27.1505, 0.3457,
0.1682

Harmonies

Analogous

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



86.6297, 0.3005, 0.3046



86.6297, 0.3150, 0.3097



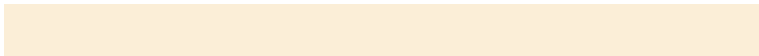
86.6297, 0.3292, 0.3197

Triad

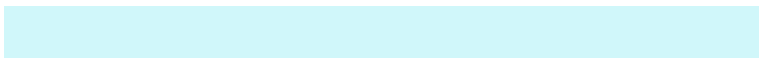
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6297, 0.3150, 0.3097



86.6297, 0.3363, 0.3526



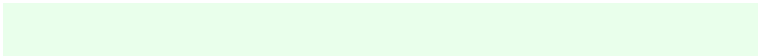
86.6297, 0.2871, 0.3249

Complementary

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



86.6297, 0.3150, 0.3097



94.8435, 0.3105, 0.3491

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.



86.6297, 0.2963, 0.3384



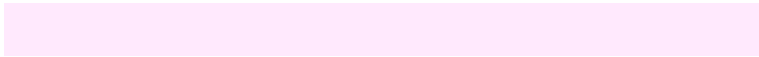
86.6297, 0.3150, 0.3097



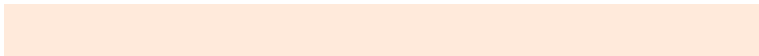
86.6297, 0.3246, 0.3547

Square

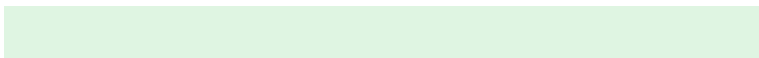
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



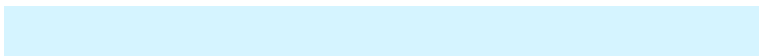
86.6297, 0.3150, 0.3097



86.6297, 0.3416, 0.3442



86.6297, 0.3099, 0.3495



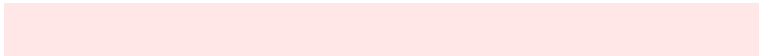
86.6297, 0.2846, 0.3129

Rectangle

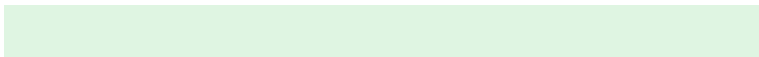
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6297, 0.3150, 0.3097



86.6297, 0.3364, 0.3279



86.6297, 0.3099, 0.3495



86.6297, 0.2895, 0.3294

Sweetspot

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



86.6278, 0.3150, 0.3097



95.1704, 0.3135, 0.3224



83.1317, 0.3005, 0.3069



20.1011, 0.3137, 0.3206



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.



86.6278, 0.3150, 0.3097



84.6451, 0.3154, 0.3066



85.9587, 0.3218, 0.3201



18.2698, 0.3152, 0.3077



14.1494, 0.3456, 0.1678



1.3858, 0.3425, 0.1660

Inverse Universe

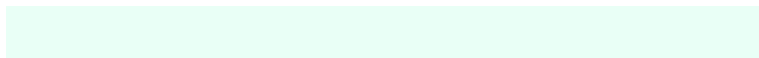
The Inverse Universe completely reimagines the original color for something new.



86.6278, 0.3150, 0.3097



84.6451, 0.3154, 0.3066



95.4872, 0.3044, 0.3381



18.2698, 0.3152, 0.3077



14.1494, 0.3456, 0.1678



1.3858, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 86.6297, 0.3150, 0.3097 looks on a white background.

Color Contrast Check

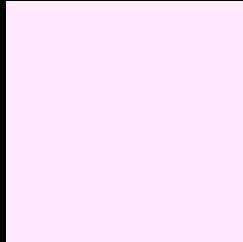
Large Text (above 18pt) WCAG AA × Fail

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 86.6297, 0.3150, 0.3097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

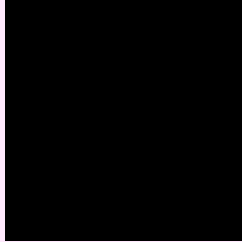
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

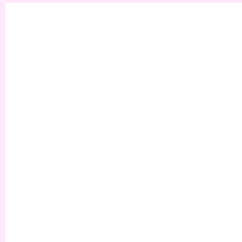
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6297, 0.3150, 0.3097

Background



This preview shows how black text looks on a background with the Yxy color 86.6297, 0.3150, 0.3097.

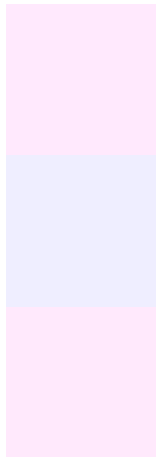


This preview shows how white text looks on a background with the Yxy color 86.6297, 0.3150, 0.3097.

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

86.6297, 0.3150, 0.3097

Protanopia

86.7198, 0.3031, 0.3121

Deuteranopia

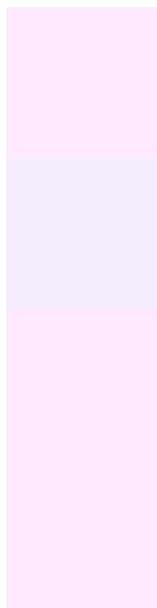
86.5661, 0.3156, 0.3106



Tritanopia

86.5661, 0.3156, 0.3106

Trichromacy



Original Color

86.6297, 0.3150, 0.3097

Protanomaly

86.5591, 0.3076, 0.3113

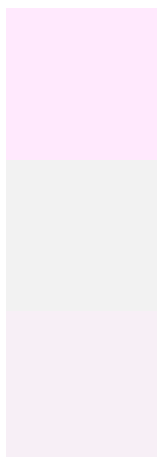
Deuteranomaly

86.5661, 0.3156, 0.3106

Tritanomaly

86.5661, 0.3156, 0.3106

Monochromacy



Original Color

86.6297, 0.3150, 0.3097

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 86.6297, 0.3150, 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(255, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 253) }
```

Border

The CSS property to change the border of an element to Yxy 86.6297, 0.3150, 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(255, 233, 253) }
```

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

```
.border{ border-color:rgb(255, 233, 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, 233, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6297, 0.3150, 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(255, 233, 253) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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