

Converting Colors

$Y_{xy}(86.4422, 0.3175, 0.3137)$

Have a look what the booklet for
Yxy(86.4422, 0.3175, 0.3137)
contains.

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Color

Yxy(86.3774, 0.3175, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9F9
RGB	255, 233, 249
RGB Percent	100%, 91%, 98%
CMY	0.0000, 0.0863, 0.0236
CMYK	0.00, 0.09, 0.02, 0.00
HSL	316°, 100%, 96%
HSV	316°, 9%, 100%
XYZ	87.4795, 86.3774, 101.6691
YIQ	241.4020, 7.9760, 9.6400

Conversions

Conversions Part 2

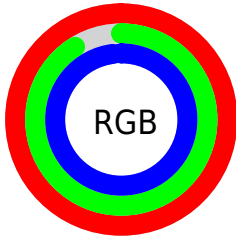
Format	Color
R _Y B	255, 233, 249
Decimal	16771577
CIE Lab	94.47, 10.18, -5.01
CIE LCh	94, 11.349, 333.801
Yxy	86.3774, 0.3175, 0.3135
Android (android.graphics.Color)	4294961657 (0xFFFFE9F9)
YUV	241.4020, 3.7458, 11.9254
Hunter-Lab	92.9394, 5.3696, 0.1986

Details

The Yxy color **86.3774, 0.3175, 0.3135** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.0773, 0.3083, 0.3450**, and the grayscale version is **88.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3003, 0.3180, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **72.5411, 0.3239, 0.2948**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

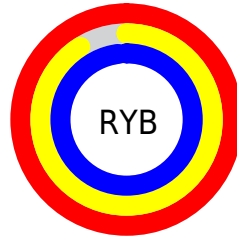
Distribution



Red (100%)

Green (91%)

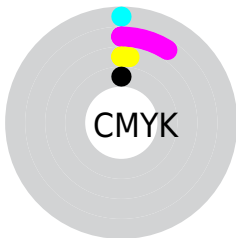
Blue (98%)



Red (100%)

Yellow (91%)

Blue (98%)

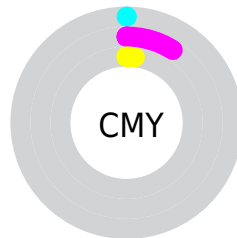


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3774, 0.3175, 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 86.3774, 0.3175, 0.3135 by changing the saturation by 10% instead.

 86.3774, 0.3175,
0.3135

 86.3774, 0.3175,
0.3135


516.1748, 0.3154,
0.3204

 64.9801, 0.3180,
0.3120


142.2960, 0.3168,
0.3158

 47.4449, 0.3185,
0.3102


177.5861, 0.3165,
0.3168

 33.3875, 0.3192,
0.3079


218.2760, 0.3163,
0.3176

 22.4235, 0.3201,
0.3050

264.7499, 0.3160,
0.3183

 14.1684, 0.3212,
0.3012

317.3924, 0.3159,
0.3189

 8.2379, 0.3227,
0.2960

376.5878, 0.3157,

 4.2475, 0.3250,

0.3194

0.2884

442.7204, 0.3155,
0.3199

■ 1.8130, 0.3285,
0.2762

■ 0.4952, 0.3419,
0.2354

■ 86.3774, 0.3175,
0.3135

■ 86.3774, 0.3175,
0.3135

■ 72.5411, 0.3239,
0.2948

100.0000, 0.3127,
0.3290

■ 60.7172, 0.3314,
0.2758

■ 50.8107, 0.3400,
0.2570

■ 42.7182, 0.3496,
0.2392

■ 36.3264, 0.3601,
0.2236

■ 31.5092, 0.3713,
0.2112

■ 28.1228, 0.3828,
0.2030

■ 25.9972, 0.3942,
0.1997

■ 24.8899, 0.4053,
0.2011

Harmonies

Analogous

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



86.3774, 0.3045, 0.3079



86.3774, 0.3175, 0.3135



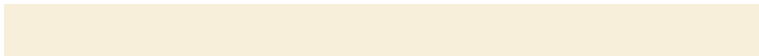
86.3774, 0.3294, 0.3230

Triad

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



86.3774, 0.3175, 0.3135



86.3774, 0.3317, 0.3506



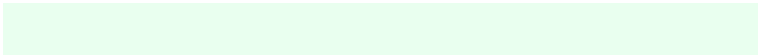
86.3774, 0.2891, 0.3230

Complementary

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



86.3774, 0.3175, 0.3135



95.0773, 0.3083, 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.



86.3774, 0.2961, 0.3349



86.3774, 0.3175, 0.3135



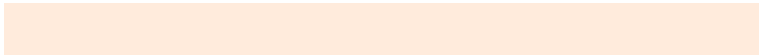
86.3774, 0.3206, 0.3511

Square

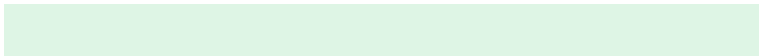
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



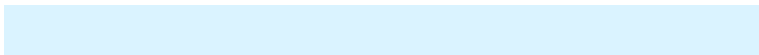
86.3774, 0.3175, 0.3135



86.3774, 0.3377, 0.3443



86.3774, 0.3076, 0.3453



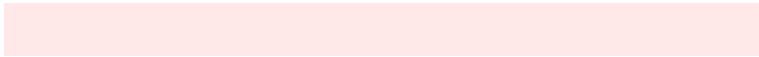
86.3774, 0.2883, 0.3131

Rectangle

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



86.3774, 0.3175, 0.3135



86.3774, 0.3351, 0.3305



86.3774, 0.3076, 0.3453



86.3774, 0.2908, 0.3269

Sweetspot

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



86.3781, 0.3175, 0.3135



95.0817, 0.3143, 0.3237



83.8275, 0.3031, 0.3071



20.0771, 0.3147, 0.3223



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.



86.3781, 0.3175, 0.3135



84.3546, 0.3183, 0.3110



85.7206, 0.3244, 0.3240



18.2106, 0.3180, 0.3119



12.9710, 0.4050, 0.2005



1.2813, 0.3932, 0.1940

Inverse Universe

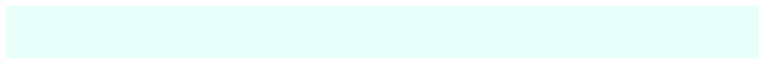
The Inverse Universe completely reimagines the original color for something new.



86.3781, 0.3175, 0.3135



84.3546, 0.3183, 0.3110



95.7380, 0.3022, 0.3341



18.2106, 0.3180, 0.3119



12.9710, 0.4050, 0.2005



1.2813, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 86.3774, 0.3175, 0.3135 looks on a white background.

Color Contrast Check

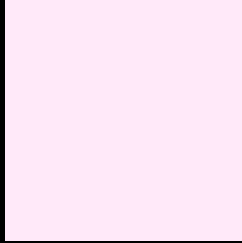
Large Text (above 18pt) WCAG AA × Fail

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 86.3774, 0.3175, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

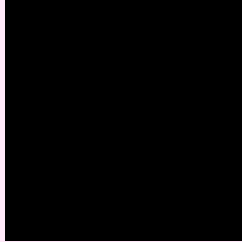
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

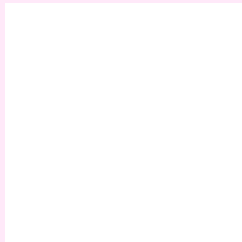
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3774, 0.3175, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 86.3774, 0.3175, 0.3135.



This preview shows how white text looks on a background with the Yxy color 86.3774, 0.3175, 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

86.3774, 0.3175, 0.3135

Protanopia

86.7026, 0.3055, 0.3151

Deuteranopia

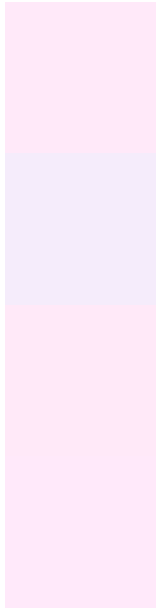
86.3151, 0.3181, 0.3144



Tritanopia

86.5029, 0.3162, 0.3116

Trichromacy



Original Color

86.3774, 0.3175, 0.3135

Protanomaly

86.3684, 0.3095, 0.3142

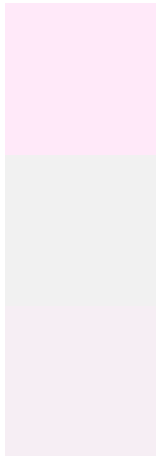
Deuteranomaly

86.3151, 0.3181, 0.3144

Tritanomaly

86.4400, 0.3168, 0.3125

Monochromacy



Original Color

86.3774, 0.3175, 0.3135

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.2736, 0.3143, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3774, 0.3175, 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, 233, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 249) }
```

Border

The CSS property to change the border of an element to Yxy 86.3774, 0.3175, 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, 233, 249) }
```

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

```
.border{ border-color:rgb(255, 233, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3774, 0.3175, 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, 233, 249) }
```

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

```
.background{ background-color: rgb(255,  
233, 249) }
```

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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