

Converting Colors

$Y_{xy}(86.9679, 0.3231, 0.3241)$

Have a look what the booklet for
Yxy(86.9679, 0.3231, 0.3241)
contains.

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Color

Yxy(86.9679, 0.3231, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBF0
RGB	255, 235, 240
RGB Percent	100%, 92%, 94%
CMY	0.0000, 0.0785, 0.0587
CMYK	0.00, 0.08, 0.06, 0.00
HSL	345°, 100%, 96%
HSV	345°, 8%, 100%
XYZ	86.6996, 86.9679, 94.6692
YIQ	241.5500, 10.3150, 5.7950

Conversions

Conversions Part 2

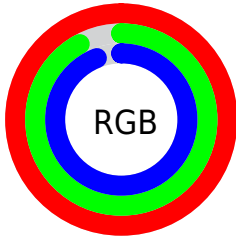
Format	Color
R _Y B	255, 235, 240
Decimal	16772080
CIE Lab	94.72, 7.65, 0.02
CIE LCh	95, 7.650, 0.121
Yxy	86.9679, 0.3231, 0.3241
Android (android.graphics.Color)	4294962160 (0xFFFFEBF0)
YUV	241.5500, -0.7642, 11.7956
Hunter-Lab	93.2566, 2.7504, 5.0915

Details

The Yxy color **86.9679, 0.3231, 0.3241** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.0781, 0.3033, 0.3340**, and the grayscale version is **88.4096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7067, 0.3252, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **72.3135, 0.3389, 0.3175**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

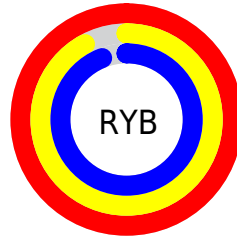
Distribution



Red (100%)

Green (92%)

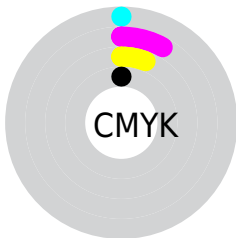
Blue (94%)



Red (100%)

Yellow (92%)

Blue (94%)

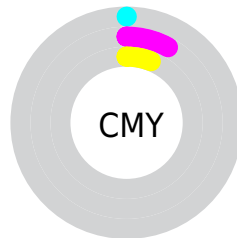


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9679, 0.3231, 0.3241 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 86.9679, 0.3231, 0.3241 by changing the saturation by 10% instead.

 86.9679, 0.3231,
0.3241

 86.9679, 0.3231,
0.3241


518.1174, 0.3184,
0.3263

 65.4686, 0.3241,
0.3236

143.1194, 0.3215,
0.3249

 47.8412, 0.3254,
0.3230

178.5404, 0.3209,
0.3252

 33.7011, 0.3270,
0.3223


219.3708, 0.3203,
0.3254

 22.6641, 0.3290,
0.3213

265.9950, 0.3199,
0.3256

 14.3457, 0.3317,
0.3200

318.7974, 0.3195,
0.3258

 8.3615, 0.3354,
0.3183

378.1623, 0.3191,

 4.3271, 0.3410,

0.3260

0.3156

444.4742, 0.3187,
0.3262

■ 1.8582, 0.3501,
0.3113

■ 0.5230, 0.3852,
0.2946

■ 86.9679, 0.3231,
0.3241

■ 86.9679, 0.3231,
0.3241

■ 72.3135, 0.3389,
0.3175

100.0000, 0.3127,
0.3290

■ 59.7898, 0.3585,
0.3106

■ 49.2872, 0.3825,
0.3037

■ 40.6988, 0.4113,
0.2974

■ 33.9082, 0.4451,
0.2923

■ 28.7860, 0.4829,
0.2896

■ 25.1853, 0.5224,
0.2904

■ 22.9333, 0.5599,
0.2954

■ 21.8000, 0.5911,
0.3043

Harmonies

Analogous

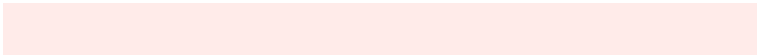
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9679, 0.3149, 0.3179



86.9679, 0.3231, 0.3241



86.9679, 0.3285, 0.3317

Triad

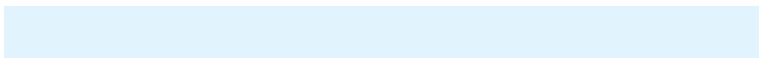
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9679, 0.3231, 0.3241



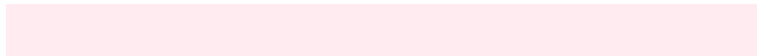
86.9679, 0.3191, 0.3440



86.9679, 0.2960, 0.3191

Complementary

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



86.9679, 0.3231, 0.3241



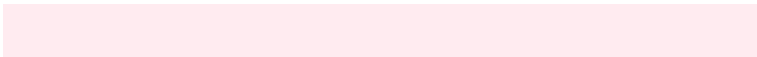
96.0781, 0.3033, 0.3340

Split Complementary

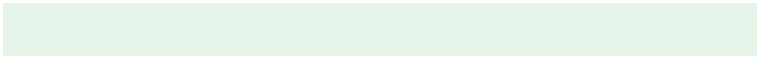
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9679, 0.2972, 0.3260



86.9679, 0.3231, 0.3241



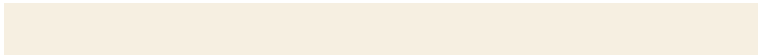
86.9679, 0.3104, 0.3406

Square

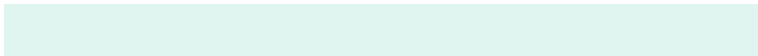
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



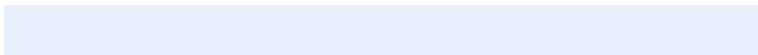
86.9679, 0.3231, 0.3241



86.9679, 0.3262, 0.3432



86.9679, 0.3024, 0.3339



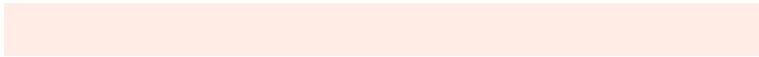
86.9679, 0.2993, 0.3149

Rectangle

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



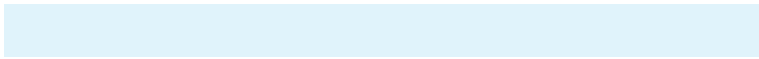
86.9679, 0.3231, 0.3241



86.9679, 0.3298, 0.3365



86.9679, 0.3024, 0.3339



86.9679, 0.2959, 0.3211

Sweetspot

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



86.9569, 0.3230, 0.3241



96.5457, 0.3152, 0.3278



86.8859, 0.3101, 0.3095



20.7009, 0.3151, 0.3278



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

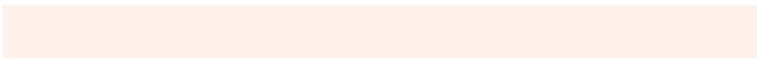
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9569, 0.3230, 0.3241



85.1643, 0.3247, 0.3234



89.3714, 0.3258, 0.3336



18.0621, 0.3254, 0.3230



11.3235, 0.5930, 0.3040



1.1192, 0.5615, 0.2867

Inverse Universe

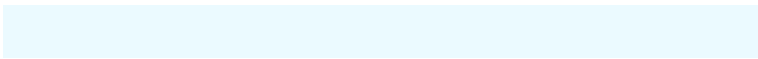
The Inverse Universe completely reimagines the original color for something new.



86.9569, 0.3230, 0.3241



85.1643, 0.3247, 0.3234



93.4540, 0.3005, 0.3243



18.0621, 0.3254, 0.3230



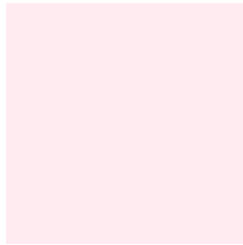
11.3235, 0.5930, 0.3040



1.1192, 0.5615, 0.2867

Previews

White Background



This preview shows how the Yxy color 86.9679, 0.3231, 0.3241 looks on a white background.

Color Contrast Check

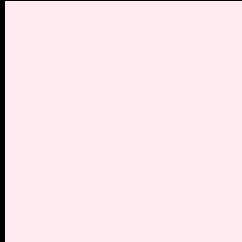
Large Text (above 18pt) WCAG AA × Fail

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 86.9679, 0.3231, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

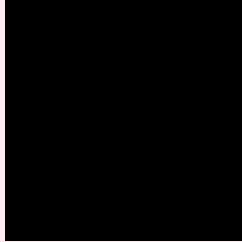
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.9679, 0.3231, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 86.9679, 0.3231, 0.3241.

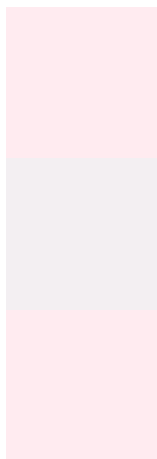


This preview shows how white text looks on a background with the Yxy color 86.9679, 0.3231, 0.3241.

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

86.9679, 0.3231, 0.3241

Protanopia

87.1985, 0.3135, 0.3260

Deuteranopia

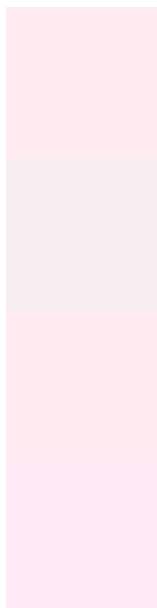
86.9679, 0.3231, 0.3241



Tritanopia

87.0078, 0.3168, 0.3135

Trichromacy



Original Color

86.9679, 0.3231, 0.3241

Protanomaly

87.2741, 0.3168, 0.3260

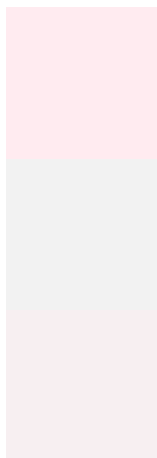
Deuteranomaly

86.9679, 0.3231, 0.3241

Tritanomaly

86.7595, 0.3193, 0.3173

Monochromacy



Original Color

86.9679, 0.3231, 0.3241

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

87.8580, 0.3168, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9679, 0.3231, 0.3241 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 240) }
```

Border

The CSS property to change the border of an element to Yxy 86.9679, 0.3231, 0.3241 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, 240) }
```

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

```
.border{ border-color:rgb(255, 235, 240) }
```

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, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9679, 0.3231, 0.3241 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
235, 240) }
```

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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