

Converting Colors

$Yxy(86.7158, 0.3234, 0.3235)$

Have a look what the booklet for
Yxy(86.7158, 0.3234, 0.3235)
contains.

Yxy(86.3969, 0.3231, 0.3232)	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(86.3969, 0.3231, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAFO
RGB	255, 234, 240
RGB Percent	100%, 92%, 94%
CMY	0.0003, 0.0822, 0.0589
CMYK	0.00, 0.08, 0.06, 0.00
HSL	343°, 99%, 96%
HSV	343°, 8%, 100%
XYZ	86.3702, 86.3969, 94.5501
YIQ	240.9630, 10.5900, 6.3180

Conversions

Conversions Part 2

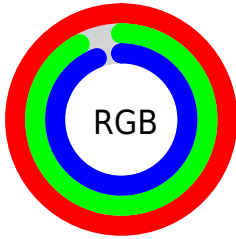
Format	Color
R _Y B	255, 234, 240
Decimal	16771824
CIE Lab	94.48, 8.08, -0.32
CIE LCh	94, 8.089, 357.715
Yxy	86.3969, 0.3231, 0.3232
Android (android.graphics.Color)	4294961904 (0xFFFFEAF0)
YUV	240.9630, -0.4748, 12.3104
Hunter-Lab	92.9499, 3.2019, 4.7543

Details

The Yxy color **86.3969, 0.3231, 0.3232** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.8122, 0.3033, 0.3349**, and the grayscale version is **87.9260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3072, 0.3253, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **71.8823, 0.3384, 0.3157**, and if you desaturate by 10%, it is **99.9871, 0.3127, 0.3290**.

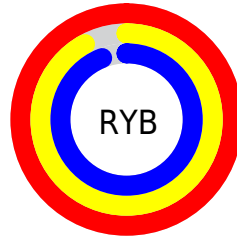
Distribution



Red (100%)

Green (92%)

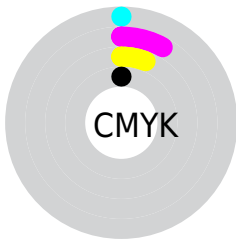
Blue (94%)



Red (100%)

Yellow (92%)

Blue (94%)

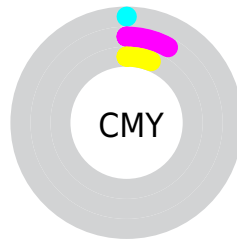


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3969, 0.3231, 0.3232 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 86.3969, 0.3231, 0.3232 by changing the saturation by 10% instead.

 86.3969, 0.3231,
0.3232

 86.3969, 0.3231,
0.3232


516.2390, 0.3184,
0.3258

 64.9962, 0.3241,
0.3226


142.3232, 0.3215,
0.3241

 47.4580, 0.3254,
0.3219


177.6177, 0.3209,
0.3244

 33.3979, 0.3270,
0.3210


218.3121, 0.3203,
0.3247

 22.4314, 0.3290,
0.3199

264.7911, 0.3199,
0.3250

 14.1742, 0.3317,
0.3184

317.4388, 0.3194,
0.3252

 8.2420, 0.3354,
0.3163

376.6398, 0.3191,

 4.2502, 0.3410,

0.3255

0.3132

442.7784, 0.3187,
0.3256

■ 1.8145, 0.3503,
0.3081

■ 0.4962, 0.3871,
0.2872

■ 86.3969, 0.3231,
0.3232

■ 86.3969, 0.3231,
0.3232

■ 71.8823, 0.3384,
0.3157

99.9871, 0.3127,
0.3290

■ 59.4693, 0.3573,
0.3079

■ 49.0633, 0.3802,
0.3001

■ 40.5579, 0.4077,
0.2929

■ 33.8367, 0.4399,
0.2871

■ 28.7707, 0.4759,
0.2839

■ 25.2131, 0.5137,
0.2843

■ 22.9908, 0.5501,
0.2893

■ 21.8675, 0.5812,
0.2986

Harmonies

Analogous

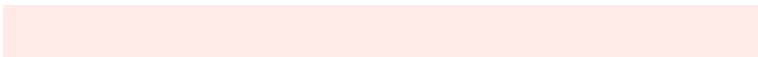
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3969, 0.3143, 0.3168



86.3969, 0.3231, 0.3232



86.3969, 0.3292, 0.3312

Triad

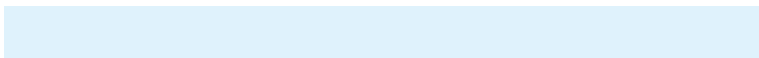
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3969, 0.3231, 0.3232



86.3969, 0.3202, 0.3450



86.3969, 0.2950, 0.3190

Complementary

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



86.3969, 0.3231, 0.3232



95.8122, 0.3033, 0.3349

Split Complementary

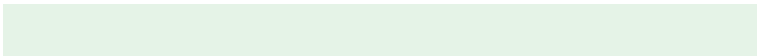
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3969, 0.2965, 0.3265



86.3969, 0.3231, 0.3232



86.3969, 0.3110, 0.3417

Square

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



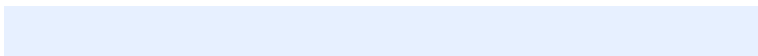
86.3969, 0.3231, 0.3232



86.3969, 0.3275, 0.3438



86.3969, 0.3024, 0.3349



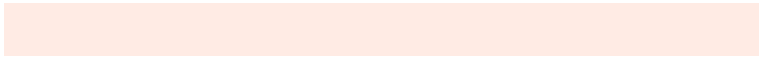
86.3969, 0.2981, 0.3143

Rectangle

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



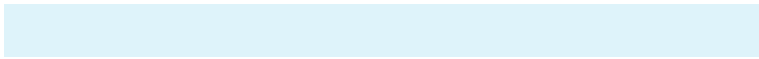
86.3969, 0.3231, 0.3232



86.3969, 0.3308, 0.3364



86.3969, 0.3024, 0.3349



86.3969, 0.2950, 0.3212

Sweetspot

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



86.4007, 0.3231, 0.3232



96.5564, 0.3151, 0.3276



86.1564, 0.3095, 0.3086



20.7031, 0.3150, 0.3277



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

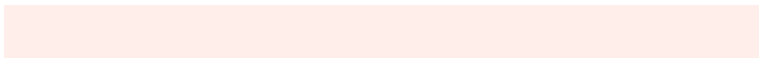
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4007, 0.3231, 0.3232



83.6765, 0.3256, 0.3219



88.4614, 0.3265, 0.3331



18.0722, 0.3249, 0.3222



11.3798, 0.5821, 0.2980



1.1258, 0.5501, 0.2804

Inverse Universe

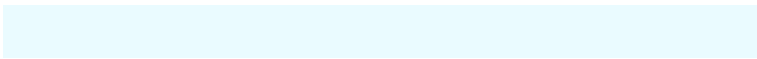
The Inverse Universe completely reimagines the original color for something new.



86.4007, 0.3231, 0.3232



83.6765, 0.3256, 0.3219



93.5525, 0.3000, 0.3248



18.0722, 0.3249, 0.3222



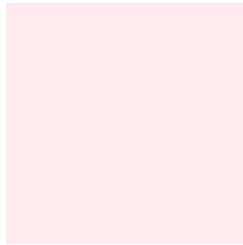
11.3798, 0.5821, 0.2980



1.1258, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 86.3969, 0.3231, 0.3232 looks on a white background.

Color Contrast Check

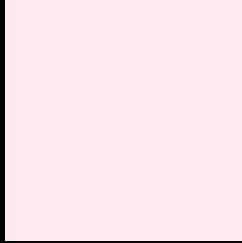
Large Text (above 18pt) WCAG AA × Fail

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 86.3969, 0.3231, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

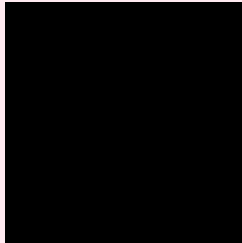
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

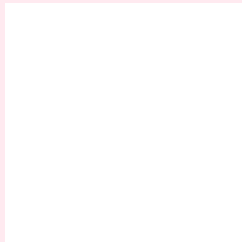
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3969, 0.3231, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 86.3969, 0.3231, 0.3232.

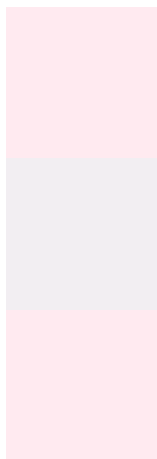


This preview shows how white text looks on a background with the Yxy color 86.3969, 0.3231, 0.3232.

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

86.3969, 0.3231, 0.3232

Protanopia

86.4371, 0.3129, 0.3250

Deuteranopia

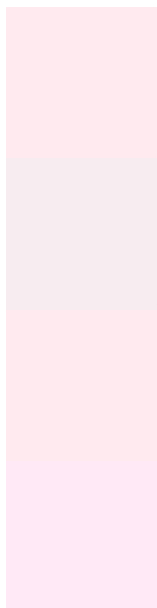
86.3969, 0.3231, 0.3232



Tritanopia

86.4400, 0.3168, 0.3125

Trichromacy



Original Color

86.3969, 0.3231, 0.3232

Protanomaly

86.6934, 0.3169, 0.3250

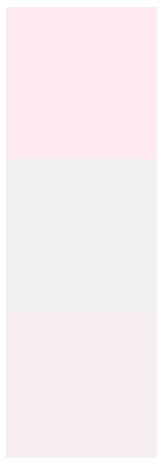
Deuteranomaly

86.3969, 0.3231, 0.3232

Tritanomaly

86.1916, 0.3194, 0.3164

Monochromacy



Original Color

86.3969, 0.3231, 0.3232

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.0928, 0.3162, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3969, 0.3231, 0.3232 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, 234, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 240) }
```

Border

The CSS property to change the border of an element to Yxy 86.3969, 0.3231, 0.3232 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, 234, 240) }
```

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

```
.border{ border-color:rgb(255, 234, 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, 234, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3969, 0.3231, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 240) }
```

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

```
.background{ background-color: rgb(255,  
234, 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](#).

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