

Converting Colors

$Y_{xy}(86.8855, 0.3215, 0.3214)$

Have a look what the booklet for
Yxy(86.8855, 0.3215, 0.3214)
contains.

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Color

Yxy(87.0875, 0.3218, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBF2
RGB	255, 235, 242
RGB Percent	100%, 92%, 95%
CMY	0.0000, 0.0784, 0.0510
CMYK	0.00, 0.08, 0.05, 0.00
HSL	339°, 100%, 96%
HSV	339°, 8%, 100%
XYZ	86.9794, 87.0875, 96.2233
YIQ	241.7780, 9.6730, 6.4170

Conversions

Conversions Part 2

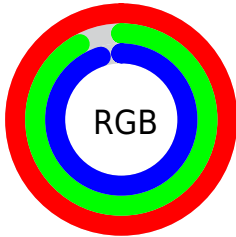
Format	Color
R _Y B	255, 235, 242
Decimal	16772082
CIE Lab	94.78, 7.95, -0.94
CIE LCh	95, 8.008, 353.293
Yxy	87.0875, 0.3218, 0.3222
Android (android.graphics.Color)	4294962162 (0xFFFFEBF2)
YUV	241.7780, 0.1094, 11.5957
Hunter-Lab	93.3207, 3.0594, 4.1903

Details

The Yxy color $87.0875, 0.3218, 0.3222$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $95.9601, 0.3044, 0.3359$, and the grayscale version is $88.6008, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.7911, 0.3235, 0.3203$ is the 20% darker color. If you saturate the color by 10%, you get $72.5657, 0.3357, 0.3130$, and if you desaturate by 10%, it is $100.0000, 0.3127, 0.3290$.

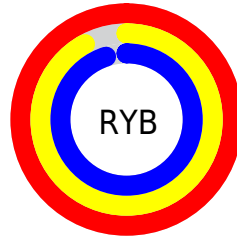
Distribution



Red (100%)

Green (92%)

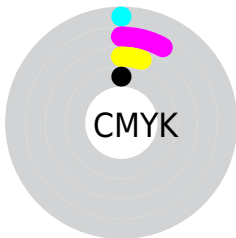
Blue (95%)



Red (100%)

Yellow (92%)

Blue (95%)

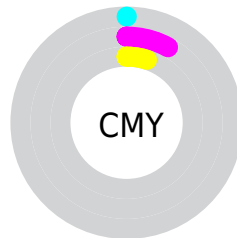


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0875, 0.3218, 0.3222 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 87.0875, 0.3218, 0.3222 by changing the saturation by 10% instead.


 87.0875, 0.3218,
0.3222

 87.0875, 0.3218,
0.3222

518.5103, 0.3177,
0.3252

 65.5676, 0.3227,
0.3215


143.2861, 0.3204,
0.3232

 47.9215, 0.3238,
0.3207


178.7336, 0.3199,
0.3236

 33.7647, 0.3252,
0.3197


219.5924, 0.3194,
0.3240

 22.7129, 0.3269,
0.3184

266.2470, 0.3190,
0.3243

 14.3817, 0.3292,
0.3167

319.0817, 0.3186,
0.3246

 8.3866, 0.3325,
0.3143

378.4808, 0.3183,

 4.3433, 0.3373,

0.3248

0.3107

444.8289, 0.3180,
0.3250

■ 1.8674, 0.3452,
0.3049

■ 0.5287, 0.3733,
0.2833

■ 87.0875, 0.3218,
0.3222

■ 87.0875, 0.3218,
0.3222

■ 72.5657, 0.3357,
0.3130

100.0000, 0.3127,
0.3290

■ 60.1362, 0.3526,
0.3035

■ 49.7014, 0.3732,
0.2940

■ 41.1564, 0.3977,
0.2850

■ 34.3859, 0.4263,
0.2776

■ 29.2625, 0.4584,
0.2728

■ 25.6411, 0.4925,
0.2719

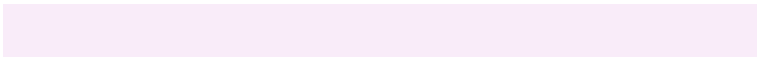
■ 23.3511, 0.5262,
0.2761

■ 22.1651, 0.5566,
0.2852

Harmonies

Analogous

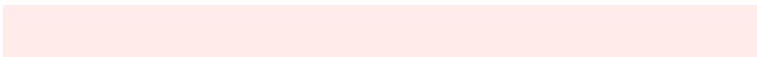
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0875, 0.3129, 0.3162



87.0875, 0.3218, 0.3222



87.0875, 0.3283, 0.3300

Triad

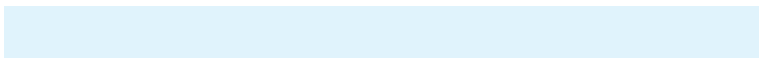
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0875, 0.3218, 0.3222



87.0875, 0.3213, 0.3449



87.0875, 0.2951, 0.3200

Complementary

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



87.0875, 0.3218, 0.3222



95.9601, 0.3044, 0.3359

Split Complementary

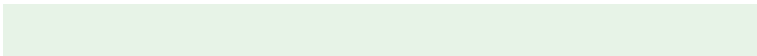
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0875, 0.2973, 0.3277



87.0875, 0.3218, 0.3222



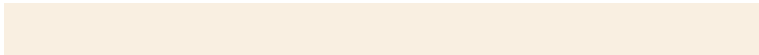
87.0875, 0.3124, 0.3423

Square

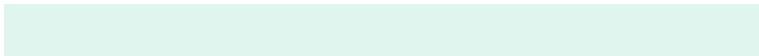
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



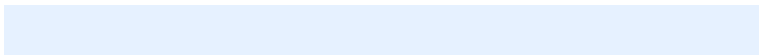
87.0875, 0.3218, 0.3222



87.0875, 0.3280, 0.3431



87.0875, 0.3036, 0.3359



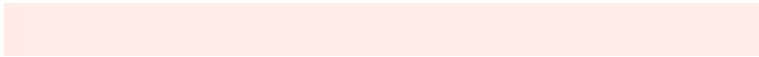
87.0875, 0.2976, 0.3149

Rectangle

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



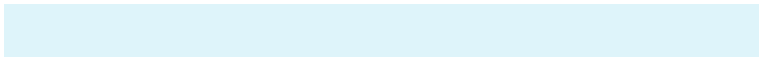
87.0875, 0.3218, 0.3222



87.0875, 0.3304, 0.3352



87.0875, 0.3036, 0.3359



87.0875, 0.2954, 0.3224

Sweetspot

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



87.0876, 0.3218, 0.3222



96.5773, 0.3149, 0.3273



86.5937, 0.3090, 0.3095



20.7074, 0.3148, 0.3274



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

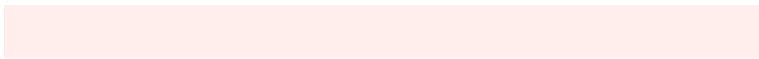
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0876, 0.3218, 0.3222



85.2971, 0.3233, 0.3212



88.4077, 0.3260, 0.3320



18.0920, 0.3239, 0.3207



11.5125, 0.5585, 0.2850



1.1407, 0.5269, 0.2676

Inverse Universe

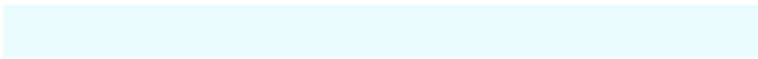
The Inverse Universe completely reimagines the original color for something new.



87.0876, 0.3218, 0.3222



85.2971, 0.3233, 0.3212



94.5032, 0.3005, 0.3260



18.0920, 0.3239, 0.3207



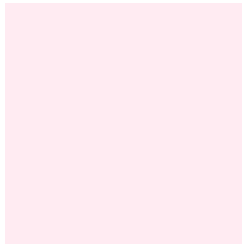
11.5125, 0.5585, 0.2850



1.1407, 0.5269, 0.2676

Previews

White Background



This preview shows how the Yxy color 87.0875, 0.3218, 0.3222 looks on a white background.

Color Contrast Check

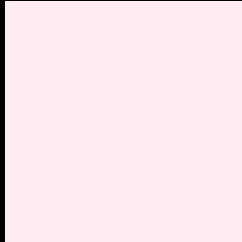
Large Text (above 18pt) WCAG AA × Fail

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 87.0875, 0.3218, 0.3222 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 87.0875, 0.3218, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 87.0875, 0.3218, 0.3222.

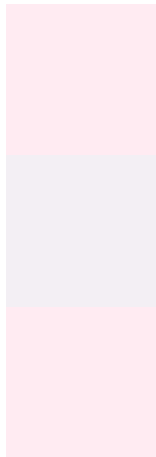


This preview shows how white text looks on a background with the Yxy color 87.0875, 0.3218, 0.3222.

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

87.0875, 0.3218, 0.3222

Protanopia

87.3193, 0.3123, 0.3240

Deuteranopia

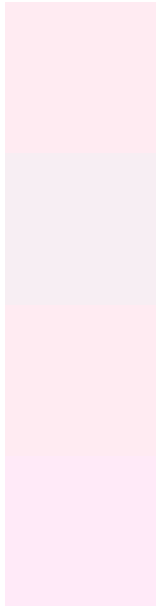
87.0875, 0.3218, 0.3222



Tritanopia

87.0707, 0.3162, 0.3126

Trichromacy



Original Color

87.0875, 0.3218, 0.3222

Protanomaly

87.3943, 0.3156, 0.3241

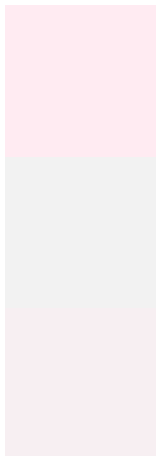
Deuteranomaly

87.0875, 0.3218, 0.3222

Tritanomaly

86.8829, 0.3180, 0.3154

Monochromacy



Original Color

87.0875, 0.3218, 0.3222

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

87.9180, 0.3162, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0875, 0.3218, 0.3222 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 242) }
```

Border

The CSS property to change the border of an element to Yxy 87.0875, 0.3218, 0.3222 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, 242) }
```

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

```
.border{ border-color:rgb(255, 235, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0875, 0.3218, 0.3222 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
235, 242) }
```

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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