

Converting Colors

$Y_{xy}(87.2282, 0.3210, 0.3241)$

Have a look what the booklet for
Yxy(87.2282, 0.3210, 0.3241)
contains.

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Color

Yxy(87.2244, 0.3210, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	FDECF1
RGB	253, 236, 241
RGB Percent	99%, 93%, 95%
CMY	0.0077, 0.0745, 0.0548
CMYK	0.00, 0.07, 0.05, 0.01
HSL	342°, 81%, 96%
HSV	342°, 7%, 99%
XYZ	86.3901, 87.2244, 95.5135
YIQ	241.6530, 8.5270, 5.1590

Conversions

Conversions Part 2

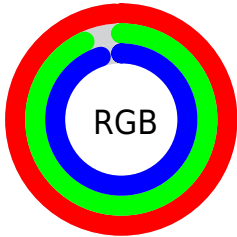
Format	Color
R _Y B	253, 236, 241
Decimal	16641265
CIE Lab	94.83, 6.60, -0.36
CIE LCh	95, 6.614, 356.861
Yxy	87.2244, 0.3210, 0.3241
Android (android.graphics.Color)	4294831345 (0xFFFDECF1)
YUV	241.6530, -0.3219, 9.9513
Hunter-Lab	93.3940, 1.6742, 4.7402

Details

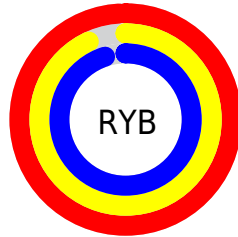
The Yxy color $87.2244, 0.3210, 0.3241$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.8792, 0.3051, 0.3340$, and the grayscale version is $88.5078, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.8811, 0.3225, 0.3228$ is the 20% darker color. If you saturate the color by 10%, you get $72.6610, 0.3357, 0.3164$, and if you desaturate by 10%, it is $99.6282, 0.3115, 0.3290$.

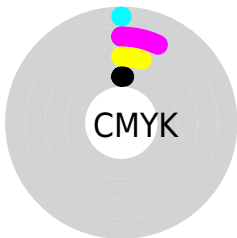
Distribution



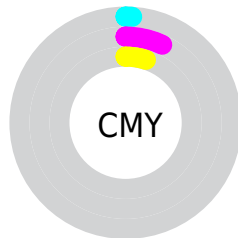
- Red (99%)
- Green (93%)
- Blue (95%)



- Red (99%)
- Yellow (93%)
- Blue (95%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (1%)




- Cyan (1%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2244, 0.3210, 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 87.2244, 0.3210, 0.3241 by changing the saturation by 10% instead.


 87.2244, 0.3210,
0.3241

 87.2244, 0.3210,
0.3241


518.9600, 0.3173,
0.3263

 65.6809, 0.3218,
0.3236


143.4769, 0.3197,
0.3249

 48.0134, 0.3228,
0.3230


178.9547, 0.3192,
0.3251

 33.8375, 0.3241,
0.3223


219.8460, 0.3188,
0.3254

 22.7688, 0.3257,
0.3213

266.5353, 0.3184,
0.3256

 14.4229, 0.3278,
0.3201

319.4070, 0.3181,
0.3258

 8.4154, 0.3308,
0.3183

378.8454, 0.3178,

 4.3619, 0.3352,

0.3260

0.3157

445.2349, 0.3175,
0.3262

■ 1.8780, 0.3424,
0.3115

■ 0.5351, 0.3695,
0.2952

■ 87.2244, 0.3210,
0.3241

■ 87.2244, 0.3210,
0.3241

■ 72.6610, 0.3357,
0.3164

99.6282, 0.3115,
0.3290

■ 60.1729, 0.3537,
0.3084

■ 49.6684, 0.3756,
0.3003

■ 41.0444, 0.4020,
0.2927

■ 34.1886, 0.4330,
0.2864

■ 28.9763, 0.4680,
0.2825

■ 25.2667, 0.5051,
0.2822

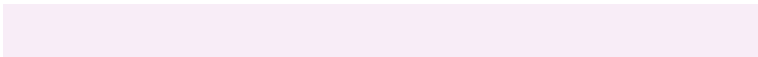
■ 22.8948, 0.5415,
0.2864

■ 21.6531, 0.5735,
0.2952

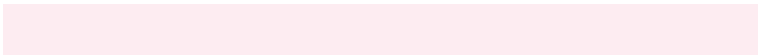
Harmonies

Analogous

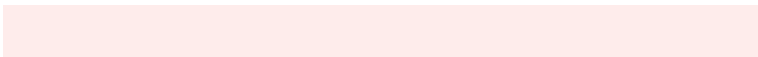
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2244, 0.3138, 0.3189



87.2244, 0.3210, 0.3241



87.2244, 0.3260, 0.3306

Triad

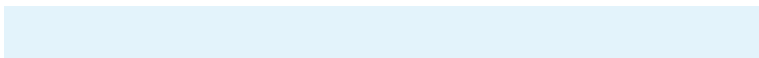
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2244, 0.3210, 0.3241



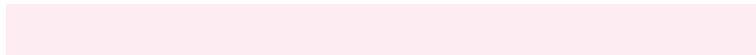
87.2244, 0.3190, 0.3420



87.2244, 0.2982, 0.3210

Complementary

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



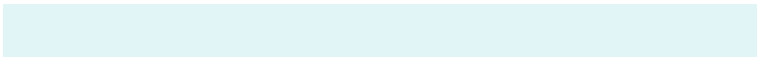
87.2244, 0.3210, 0.3241



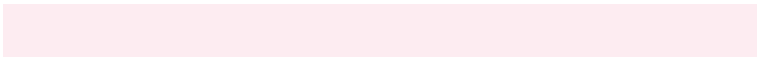
94.8792, 0.3051, 0.3340

Split Complementary

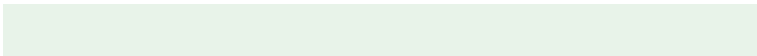
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2244, 0.2996, 0.3272



87.2244, 0.3210, 0.3241



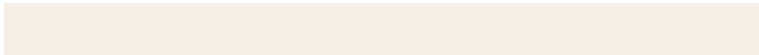
87.2244, 0.3115, 0.3394

Square

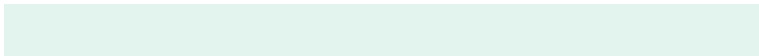
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



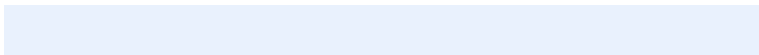
87.2244, 0.3210, 0.3241



87.2244, 0.3249, 0.3410



87.2244, 0.3044, 0.3340



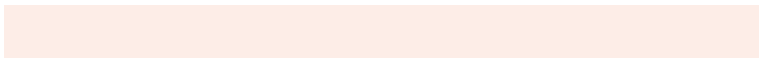
87.2244, 0.3007, 0.3171

Rectangle

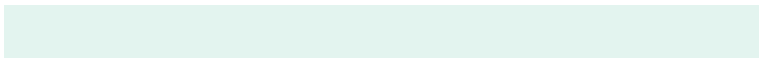
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



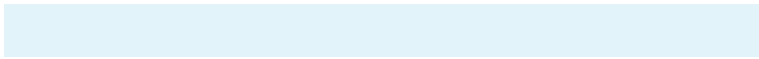
87.2244, 0.3210, 0.3241



87.2244, 0.3274, 0.3349



87.2244, 0.3044, 0.3340



87.2244, 0.2983, 0.3229

Sweetspot

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



87.2282, 0.3210, 0.3241



96.5596, 0.3151, 0.3276



87.0236, 0.3101, 0.3123



20.7038, 0.3149, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

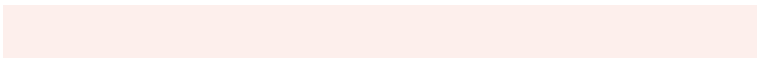
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2282, 0.3210, 0.3241



86.7757, 0.3227, 0.3232



88.9128, 0.3239, 0.3324



18.0752, 0.3248, 0.3220



11.3980, 0.5787, 0.2962



1.1279, 0.5467, 0.2785

Inverse Universe

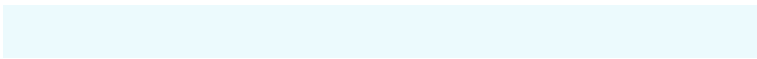
The Inverse Universe completely reimagines the original color for something new.



87.2282, 0.3210, 0.3241



86.7757, 0.3227, 0.3232



93.0628, 0.3023, 0.3256



18.0752, 0.3248, 0.3220



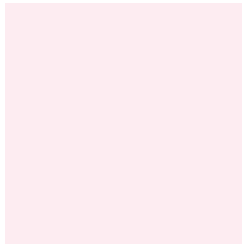
11.3980, 0.5787, 0.2962



1.1279, 0.5467, 0.2785

Previews

White Background



This preview shows how the Yxy color 87.2244, 0.3210, 0.3241 looks on a white background.

Color Contrast Check

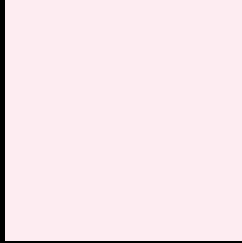
Large Text (above 18pt) WCAG AA × Fail

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 87.2244, 0.3210, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

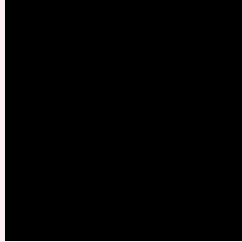
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

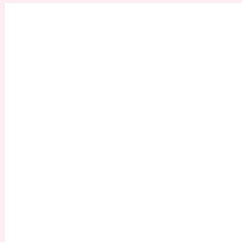
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2244, 0.3210, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 87.2244, 0.3210, 0.3241.

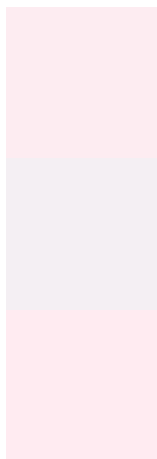


This preview shows how white text looks on a background with the Yxy color 87.2244, 0.3210, 0.3241.

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

87.2244, 0.3210, 0.3241

Protanopia

87.4372, 0.3136, 0.3250

Deuteranopia

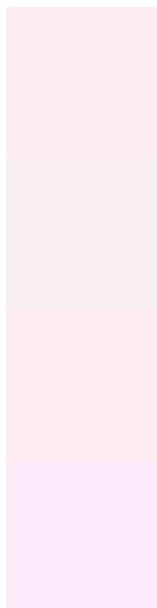
87.0275, 0.3224, 0.3232



Tritanopia

87.1975, 0.3149, 0.3107

Trichromacy



Original Color

87.2244, 0.3210, 0.3241

Protanomaly

87.3340, 0.3162, 0.3251

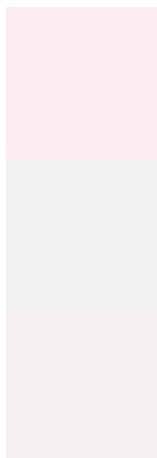
Deuteranomaly

86.8384, 0.3217, 0.3232

Tritanomaly

87.3270, 0.3167, 0.3154

Monochromacy



Original Color

87.2244, 0.3210, 0.3241

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.3238, 0.3154, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2244, 0.3210, 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(253, 236, 241)` looks like.

```
.text, #text, p{  
    color:rgb(253, 236, 241)  
}
```

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(253, 236, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 236, 241) }
```

Border

The CSS property to change the border of an element to Yxy 87.2244, 0.3210, 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(253, 236, 241) }
```

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

```
.border{ border-color:rgb(253, 236, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(253, 236, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 236, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 236, 241);  
box-shadow:4px 4px 4px 4px rgb(253, 236,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2244, 0.3210, 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(253, 236, 241) }
```

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

```
.background{ background-color: rgb(253,  
236, 241) }
```

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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