

Converting Colors

$Y_{xy}(100.0000, 0.3573, 0.3205)$

Have a look what the booklet for
Yxy(100.0000, 0.3573, 0.3205)
contains.

Yxy(87.9047, 0.3192, 0.3193)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.9047, 0.3192, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	FFECF6
RGB	255, 236, 246
RGB Percent	100%, 93%, 96%
CMY	0.0000, 0.0745, 0.0353
CMYK	0.00, 0.07, 0.04, 0.00
HSL	328°, 100%, 96%
HSV	328°, 7%, 100%
XYZ	87.8772, 87.9047, 99.5225
YIQ	242.8210, 8.1140, 7.1380

Conversions

Conversions Part 2

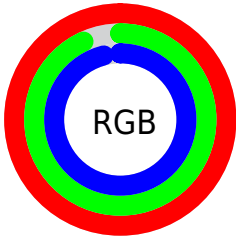
Format	Color
R _{YB}	255, 236, 246
Decimal	16772342
CIE Lab	95.12, 8.13, -2.51
CIE LCh	95, 8.507, 342.849
Yxy	87.9047, 0.3192, 0.3193
Android (android.graphics.Color)	4294962422 (0xFFFFE6F6)
YUV	242.8210, 1.5672, 10.6810
Hunter-Lab	93.7575, 3.2291, 2.6946

Details

The Yxy color **87.9047, 0.3192, 0.3193** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.9448, 0.3067, 0.3389**, and the grayscale version is **89.4582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3660, 0.3202, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **73.5351, 0.3294, 0.3057**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

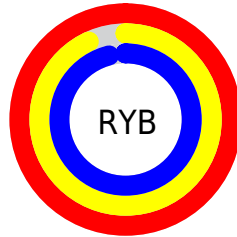
Distribution



Red (100%)

Green (93%)

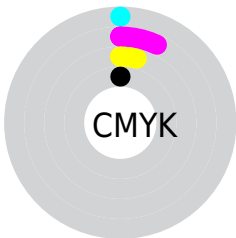
Blue (96%)



Red (100%)

Yellow (93%)

Blue (96%)

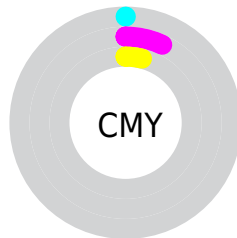


Cyan (0%)

Magenta (7%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9047, 0.3192, 0.3193 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 87.9047, 0.3192, 0.3193 by changing the saturation by 10% instead.


 87.9047, 0.3192,
0.3193

 87.9047, 0.3192,
0.3193


521.1911, 0.3163,
0.3236

 66.2441, 0.3198,
0.3184

144.4245, 0.3182,
0.3208

 48.4706, 0.3206,
0.3172

180.0525, 0.3178,
0.3213

 34.1997, 0.3216,
0.3158


221.1051, 0.3175,
0.3218

 23.0471, 0.3228,
0.3140

267.9667, 0.3172,
0.3223

 14.6283, 0.3244,
0.3116

321.0217, 0.3169,
0.3227

 8.5589, 0.3266,
0.3083

380.6545, 0.3167,

 4.4546, 0.3299,

0.3230

0.3034

447.2495, 0.3165,
0.3233

■ 1.9310, 0.3352,
0.2956

■ 0.5669, 0.3516,
0.2704

■ 87.9047, 0.3192,
0.3193

■ 87.9047, 0.3192,
0.3193

■ 73.5351, 0.3294,
0.3057

100.0000, 0.3127,
0.3290

■ 61.2222, 0.3417,
0.2915

■ 50.8690, 0.3562,
0.2774

■ 42.3722, 0.3732,
0.2639

■ 35.6188, 0.3927,
0.2521

■ 30.4838, 0.4142,
0.2432

■ 26.8248, 0.4372,
0.2384

■ 24.4748, 0.4605,
0.2387

■ 23.2157, 0.4831,
0.2446

Harmonies

Analogous

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



87.9047, 0.3095, 0.3141



87.9047, 0.3192, 0.3193



87.9047, 0.3273, 0.3271

Triad

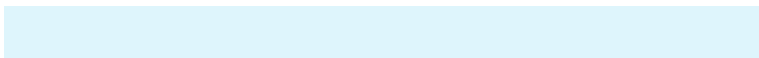
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9047, 0.3192, 0.3193



87.9047, 0.3247, 0.3457



87.9047, 0.2944, 0.3221

Complementary

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



87.9047, 0.3192, 0.3193



95.9448, 0.3067, 0.3389

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.



87.9047, 0.2983, 0.3308



87.9047, 0.3192, 0.3193



87.9047, 0.3158, 0.3445

Square

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



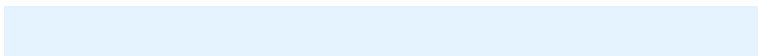
87.9047, 0.3192, 0.3193



87.9047, 0.3305, 0.3423



87.9047, 0.3061, 0.3390



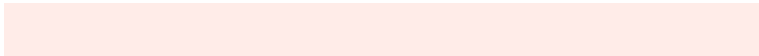
87.9047, 0.2952, 0.3156

Rectangle

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



87.9047, 0.3192, 0.3193



87.9047, 0.3306, 0.3327



87.9047, 0.3061, 0.3390



87.9047, 0.2952, 0.3249

Sweetspot

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



87.9031, 0.3192, 0.3193



96.6345, 0.3144, 0.3264



86.5975, 0.3069, 0.3103



20.7190, 0.3143, 0.3266



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

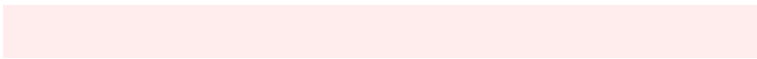
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9031, 0.3192, 0.3193



85.5409, 0.3206, 0.3172



87.3421, 0.3251, 0.3284



18.1469, 0.3211, 0.3166



12.0418, 0.4853, 0.2447



1.1946, 0.4613, 0.2315

Inverse Universe

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



87.9031, 0.3192, 0.3193



85.5409, 0.3206, 0.3172



96.5317, 0.3015, 0.3296



18.1469, 0.3211, 0.3166



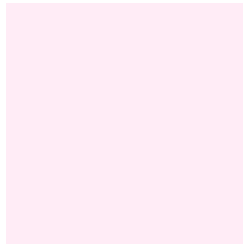
12.0418, 0.4853, 0.2447



1.1946, 0.4613, 0.2315

Previews

White Background



This preview shows how the Yxy color 87.9047, 0.3192, 0.3193 looks on a white background.

Color Contrast Check

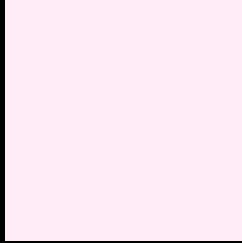
Large Text (above 18pt) WCAG AA × Fail

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 87.9047, 0.3192, 0.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

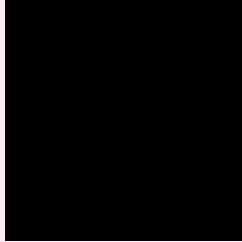
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9047, 0.3192, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 87.9047, 0.3192, 0.3193.

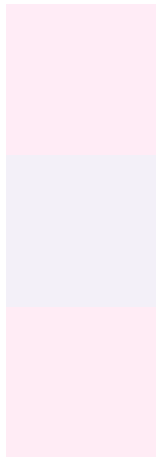


This preview shows how white text looks on a background with the Yxy color 87.9047, 0.3192, 0.3193.

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

87.9047, 0.3192, 0.3193

Protanopia

88.1522, 0.3098, 0.3211

Deuteranopia

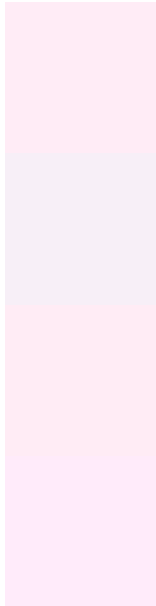
87.8435, 0.3198, 0.3203



Tritanopia

87.7049, 0.3155, 0.3126

Trichromacy



Original Color

87.9047, 0.3192, 0.3193

Protanomaly

88.2226, 0.3131, 0.3211

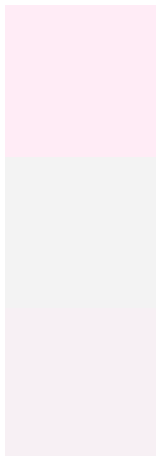
Deuteranomaly

87.8435, 0.3198, 0.3203

Tritanomaly

87.5788, 0.3167, 0.3145

Monochromacy



Original Color

87.9047, 0.3192, 0.3193

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

88.6260, 0.3149, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9047, 0.3192, 0.3193 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, 236, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 246)  
}
```

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, 236, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 246) }
```

Border

The CSS property to change the border of an element to Yxy 87.9047, 0.3192, 0.3193 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, 236, 246) }
```

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

```
.border{ border-color:rgb(255, 236, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9047, 0.3192, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 246) }
```

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

```
.background{ background-color: rgb(255,  
236, 246) }
```

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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