

Converting Colors

$Y_{xy}(114.2381, 0.4001, 0.3227)$

Have a look what the booklet for
Yxy(114.2381, 0.4001, 0.3227)
contains.

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Color

Yxy(85.8887, 0.3226, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9F1
RGB	255, 233, 241
RGB Percent	100%, 91%, 95%
CMY	0.0000, 0.0863, 0.0549
CMYK	0.00, 0.09, 0.05, 0.00
HSL	338°, 100%, 96%
HSV	338°, 9%, 100%
XYZ	86.2631, 85.8887, 95.2477
YIQ	240.4900, 10.5440, 7.1520

Conversions

Conversions Part 2

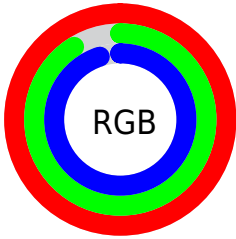
Format	Color
RYB	255, 233, 241
Decimal	16771569
CIELab	94.26, 8.82, -1.16
CIELCh	94, 8.894, 352.475
Yxy	85.8887, 0.3226, 0.3212
Android (android.graphics.Color)	4294961649 (0xFFFFE9F1)
YUV	240.4900, 0.2514, 12.7253
Hunter-Lab	92.6762, 3.9647, 3.9382

Details

The Yxy color 85.8887, 0.3226, 0.3212 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.5586, 0.3038, 0.3369, and the grayscale version is 87.5309, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.9528, 0.3246, 0.3190 is the 20% darker color. If you saturate the color by 10%, you get 71.5507, 0.3364, 0.3116, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

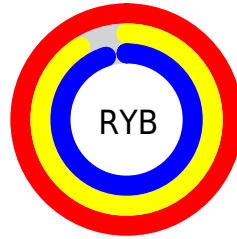
Distribution



Red (100%)

Green (91%)

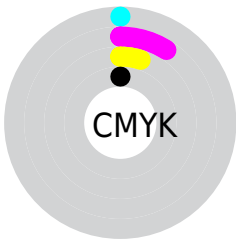
Blue (95%)



Red (100%)

Yellow (91%)

Blue (95%)

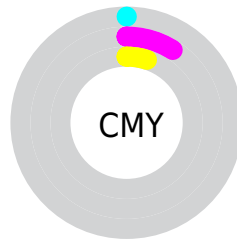


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8887, 0.3226, 0.3212 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 85.8887, 0.3226, 0.3212 by changing the saturation by 10% instead.


 85.8887, 0.3226,
0.3212

 85.8887, 0.3226,
0.3212

514.5641, 0.3182,
0.3247

 64.5759, 0.3236,
0.3204


141.6142, 0.3211,
0.3224

 47.1173, 0.3248,
0.3195


176.7957, 0.3205,
0.3229

 33.1284, 0.3263,
0.3183


217.3688, 0.3200,
0.3233

 22.2248, 0.3282,
0.3168

263.7181, 0.3195,
0.3236

 14.0222, 0.3307,
0.3148

316.2279, 0.3191,
0.3239

 8.1361, 0.3343,
0.3120

375.2826, 0.3188,

 4.1822, 0.3396,

0.3242

0.3079

441.2665, 0.3185,
0.3245

■ 1.7760, 0.3484,
0.3012

■ 0.4721, 0.3835,
0.2727

■ 85.8887, 0.3226,
0.3212

■ 85.8887, 0.3226,
0.3212

■ 71.5507, 0.3364,
0.3116

100.0000, 0.3127,
0.3290

■ 59.2956, 0.3532,
0.3017

■ 49.0239, 0.3736,
0.2918

■ 40.6299, 0.3978,
0.2826

■ 33.9979, 0.4260,
0.2749

■ 28.9993, 0.4575,
0.2701

■ 25.4877, 0.4908,
0.2694

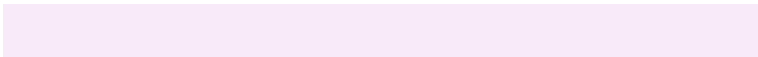
■ 23.2901, 0.5237,
0.2737

■ 22.1612, 0.5535,
0.2830

Harmonies

Analogous

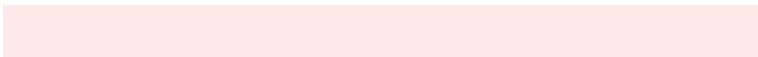
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8887, 0.3126, 0.3147



85.8887, 0.3226, 0.3212



85.8887, 0.3300, 0.3298

Triad

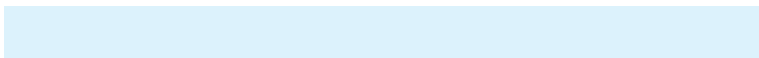
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8887, 0.3226, 0.3212



85.8887, 0.3226, 0.3468



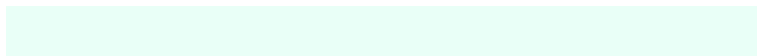
85.8887, 0.2931, 0.3192

Complementary

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



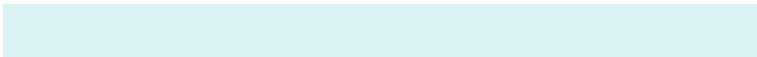
85.8887, 0.3226, 0.3212



95.5586, 0.3038, 0.3369

Split Complementary

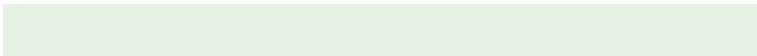
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8887, 0.2957, 0.3278



85.8887, 0.3226, 0.3212



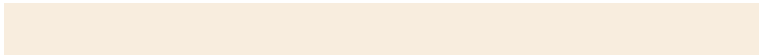
85.8887, 0.3126, 0.3440

Square

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



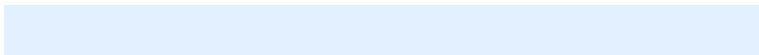
85.8887, 0.3226, 0.3212



85.8887, 0.3300, 0.3446



85.8887, 0.3028, 0.3370



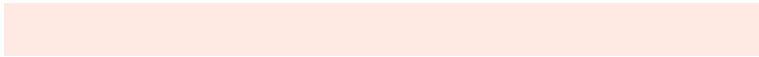
85.8887, 0.2957, 0.3134

Rectangle

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



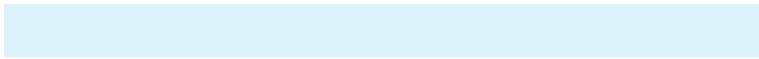
85.8887, 0.3226, 0.3212



85.8887, 0.3324, 0.3357



85.8887, 0.3028, 0.3370



85.8887, 0.2934, 0.3219

Sweetspot

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



85.8870, 0.3226, 0.3212



94.9062, 0.3160, 0.3263



85.2582, 0.3084, 0.3074



20.0297, 0.3168, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

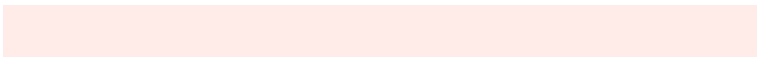
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8870, 0.3226, 0.3212



83.7943, 0.3243, 0.3199



87.0942, 0.3275, 0.3319



18.0962, 0.3237, 0.3204



11.5452, 0.5530, 0.2820



1.1442, 0.5218, 0.2648

Inverse Universe

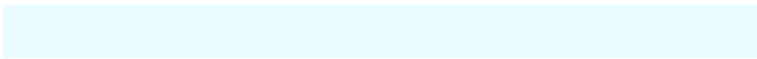
The Inverse Universe completely reimagines the original color for something new.



85.8870, 0.3226, 0.3212



83.7943, 0.3243, 0.3199



94.2056, 0.2993, 0.3261



18.0962, 0.3237, 0.3204



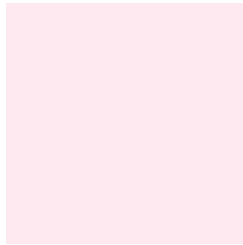
11.5452, 0.5530, 0.2820



1.1442, 0.5218, 0.2648

Previews

White Background



This preview shows how the Yxy color 85.8887, 0.3226, 0.3212 looks on a white background.

Color Contrast Check

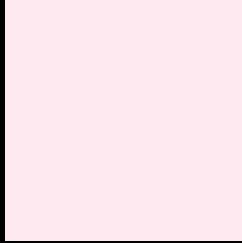
Large Text (above 18pt) WCAG AA × Fail

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 85.8887, 0.3226, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

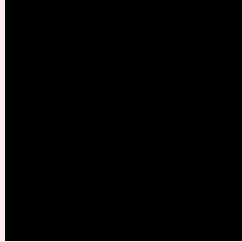
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8887, 0.3226, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 85.8887, 0.3226, 0.3212.

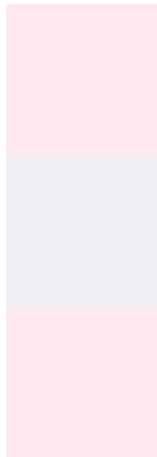


This preview shows how white text looks on a background with the Yxy color 85.8887, 0.3226, 0.3212.

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

85.8887, 0.3226, 0.3212

Protanopia

85.8008, 0.3111, 0.3220

Deuteranopia

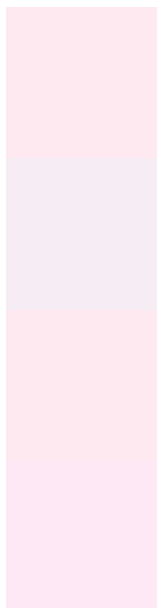
85.8887, 0.3226, 0.3212



Tritanopia

85.8128, 0.3175, 0.3125

Trichromacy



Original Color

85.8887, 0.3226, 0.3212

Protanomaly

86.0548, 0.3150, 0.3221

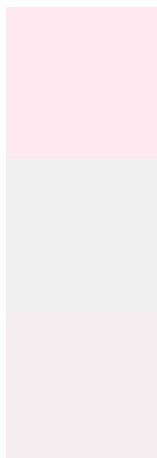
Deuteranomaly

85.8887, 0.3226, 0.3212

Tritanomaly

85.6270, 0.3194, 0.3154

Monochromacy



Original Color

85.8887, 0.3226, 0.3212

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.2721, 0.3162, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8887, 0.3226, 0.3212 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, 233, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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(255, 233, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 241) }
```

Border

The CSS property to change the border of an element to Yxy 85.8887, 0.3226, 0.3212 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, 233, 241) }
```

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

```
.border{ border-color:rgb(255, 233, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8887, 0.3226, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 241) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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