

Converting Colors

$Y_{xy}(100.0000, 0.3638, 0.3218)$

Have a look what the booklet for
Yxy(100.0000, 0.3638, 0.3218)
contains.

Yxy(86.5164, 0.3219, 0.3212)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.5164, 0.3219, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAF2
RGB	255, 234, 242
RGB Percent	100%, 92%, 95%
CMY	0.0000, 0.0824, 0.0510
CMYK	0.00, 0.08, 0.05, 0.00
HSL	337°, 100%, 96%
HSV	337°, 8%, 100%
XYZ	86.7049, 86.5164, 96.1323
YIQ	241.1910, 9.9480, 6.9400

Conversions

Conversions Part 2

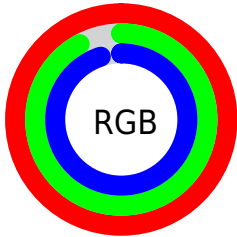
Format	Color
R _Y B	255, 234, 242
Decimal	16771826
CIE Lab	94.53, 8.49, -1.29
CIE LCh	95, 8.586, 351.337
Yxy	86.5164, 0.3219, 0.3212
Android (android.graphics.Color)	4294961906 (0xFFFFEAF2)
YUV	241.1910, 0.3988, 12.1105
Hunter-Lab	93.0142, 3.6173, 3.8323

Details

The Yxy color **86.5164, 0.3219, 0.3212** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.7249, 0.3044, 0.3369**, and the grayscale version is **88.1051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3917, 0.3236, 0.3191** is the 20% darker color. If you saturate the color by 10%, you get **72.1130, 0.3352, 0.3112**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

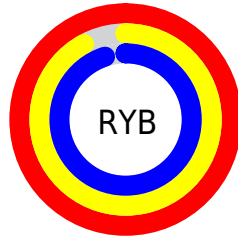
Distribution



Red (100%)

Green (92%)

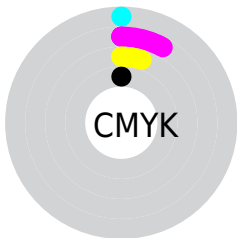
Blue (95%)



Red (100%)

Yellow (92%)

Blue (95%)

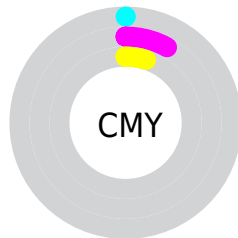


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5164, 0.3219, 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 86.5164, 0.3219, 0.3212 by changing the saturation by 10% instead.


 86.5164, 0.3219,
0.3212

 86.5164, 0.3219,
0.3212


516.6324, 0.3178,
0.3247

 65.0951, 0.3228,
0.3204


142.4899, 0.3205,
0.3224

 47.5382, 0.3239,
0.3195


177.8109, 0.3199,
0.3229

 33.4613, 0.3253,
0.3183


218.5338, 0.3195,
0.3233

 22.4801, 0.3271,
0.3168

265.0432, 0.3191,
0.3236

 14.2101, 0.3294,
0.3149

317.7233, 0.3187,
0.3239

 8.2669, 0.3327,
0.3121

376.9586, 0.3184,

 4.2662, 0.3376,

0.3242

0.3080

443.1336, 0.3181,
0.3245

■ 1.8236, 0.3456,
0.3014

■ 0.5018, 0.3753,
0.2753

■ 86.5164, 0.3219,
0.3212

■ 86.5164, 0.3219,
0.3212

■ 72.1130, 0.3352,
0.3112

100.0000, 0.3127,
0.3290

■ 59.7972, 0.3514,
0.3008

■ 49.4644, 0.3710,
0.2904

■ 41.0094, 0.3944,
0.2807

■ 34.3173, 0.4214,
0.2725

■ 29.2602, 0.4517,
0.2672

■ 25.6929, 0.4840,
0.2659

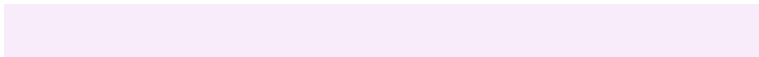
■ 23.4439, 0.5160,
0.2698

■ 22.2777, 0.5454,
0.2787

Harmonies

Analogous

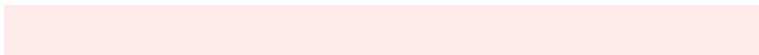
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5164, 0.3122, 0.3150



86.5164, 0.3219, 0.3212



86.5164, 0.3292, 0.3295

Triad

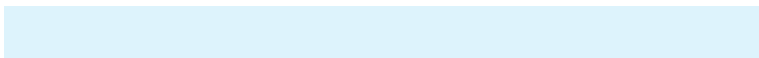
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5164, 0.3219, 0.3212



86.5164, 0.3225, 0.3461



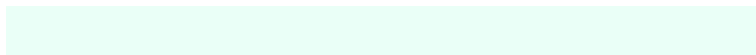
86.5164, 0.2938, 0.3198

Complementary

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



86.5164, 0.3219, 0.3212



95.7249, 0.3044, 0.3369

Split Complementary

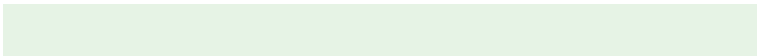
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5164, 0.2965, 0.3282



86.5164, 0.3219, 0.3212



86.5164, 0.3130, 0.3436

Square

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



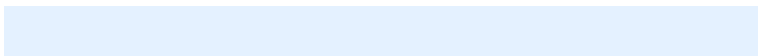
86.5164, 0.3219, 0.3212



86.5164, 0.3295, 0.3439



86.5164, 0.3035, 0.3370



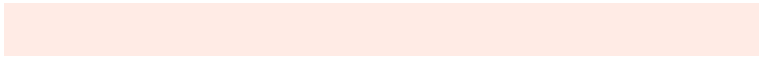
86.5164, 0.2961, 0.3141

Rectangle

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



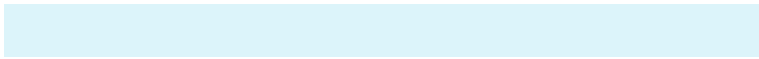
86.5164, 0.3219, 0.3212



86.5164, 0.3316, 0.3351



86.5164, 0.3035, 0.3370



86.5164, 0.2942, 0.3224

Sweetspot

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



86.5092, 0.3219, 0.3212



96.5875, 0.3148, 0.3271



85.8226, 0.3083, 0.3084



20.7094, 0.3147, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

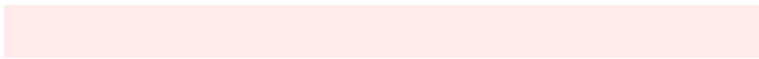
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5092, 0.3219, 0.3212



83.8209, 0.3240, 0.3195



87.4437, 0.3268, 0.3314



18.1017, 0.3234, 0.3200



11.5888, 0.5460, 0.2781



1.1489, 0.5152, 0.2612

Inverse Universe

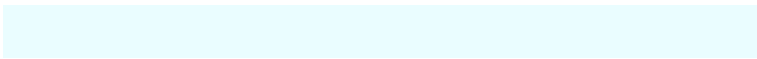
The Inverse Universe completely reimagines the original color for something new.



86.5092, 0.3219, 0.3212



83.8209, 0.3240, 0.3195



94.6761, 0.2999, 0.3265



18.1017, 0.3234, 0.3200



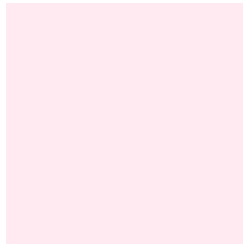
11.5888, 0.5460, 0.2781



1.1489, 0.5152, 0.2612

Previews

White Background



This preview shows how the Yxy color 86.5164, 0.3219, 0.3212 looks on a white background.

Color Contrast Check

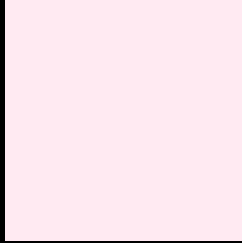
Large Text (above 18pt) WCAG AA × Fail

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 86.5164, 0.3219, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

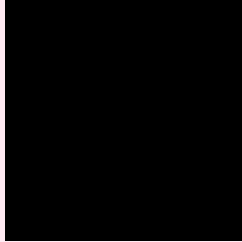
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

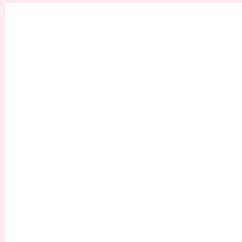
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5164, 0.3219, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 86.5164, 0.3219, 0.3212.

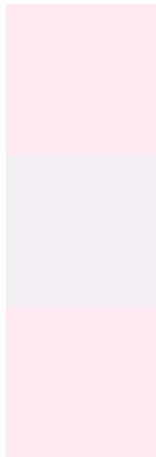


This preview shows how white text looks on a background with the Yxy color 86.5164, 0.3219, 0.3212.

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

86.5164, 0.3219, 0.3212

Protanopia

86.5580, 0.3117, 0.3230

Deuteranopia

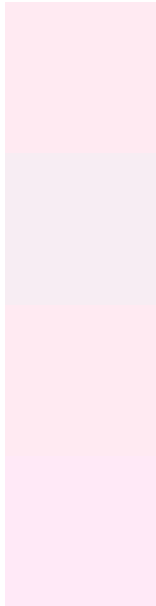
86.5164, 0.3219, 0.3212



Tritanopia

86.4400, 0.3168, 0.3125

Trichromacy



Original Color

86.5164, 0.3219, 0.3212

Protanomaly

86.8136, 0.3157, 0.3231

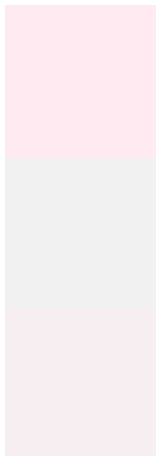
Deuteranomaly

86.5164, 0.3219, 0.3212

Tritanomaly

86.2532, 0.3187, 0.3154

Monochromacy



Original Color

86.5164, 0.3219, 0.3212

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 86.5164, 0.3219, 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 $rgb(255, 234, 242)$ looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 242) }
```

Border

The CSS property to change the border of an element to Yxy 86.5164, 0.3219, 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, 234, 242) }
```

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

```
.border{ border-color:rgb(255, 234, 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, 234, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5164, 0.3219, 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, 234, 242) }
```

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

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