

Converting Colors

$Y_{xy}(100.6427, 0.3715, 0.3243)$

Have a look what the booklet for
Yxy(100.6427, 0.3715, 0.3243)
contains.

Yxy(85.1463, 0.3246, 0.3231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.1463, 0.3246, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8EE
RGB	255, 232, 238
RGB Percent	100%, 91%, 93%
CMY	0.0000, 0.0902, 0.0665
CMYK	0.00, 0.09, 0.07, 0.00
HSL	344°, 100%, 95%
HSV	344°, 9%, 100%
XYZ	85.5416, 85.1463, 92.8414
YIQ	239.5610, 11.7820, 6.7420

Conversions

Conversions Part 2

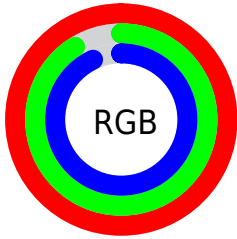
Format	Color
R_{YB}	255, 232, 238
Decimal	16771310
CIE Lab	93.95, 8.84, -0.09
CIE LCh	94, 8.838, 359.419
Yxy	85.1463, 0.3246, 0.3231
Android (android.graphics.Color)	4294961390 (0xFFFFE8EE)
YUV	239.5610, -0.7696, 13.5400
Hunter-Lab	92.2748, 3.9943, 4.9383

Details

The Yxy color **85.1463, 0.3246, 0.3231** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.5114, 0.3021, 0.3350**, and the grayscale version is **86.7743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4338, 0.3272, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **70.7668, 0.3406, 0.3162**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

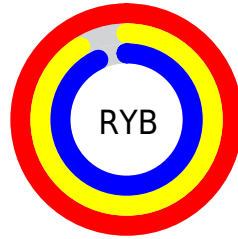
Distribution



Red (100%)

Green (91%)

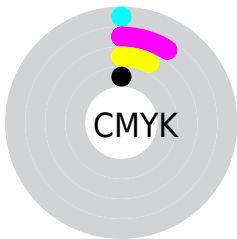
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

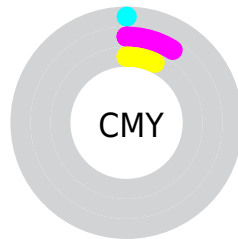


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1463, 0.3246, 0.3231 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 85.1463, 0.3246, 0.3231 by changing the saturation by 10% instead.


 85.1463, 0.3246,
0.3231

 85.1463, 0.3246,
0.3231

512.1120, 0.3193,
0.3258

 63.9623, 0.3258,
0.3225


140.5776, 0.3228,
0.3240

 46.6201, 0.3272,
0.3218


175.5936, 0.3221,
0.3244

 32.7354, 0.3291,
0.3209


215.9891, 0.3214,
0.3247

 21.9239, 0.3314,
0.3197

262.1484, 0.3209,
0.3250

 13.8010, 0.3345,
0.3182

314.4559, 0.3204,
0.3252

 7.9824, 0.3389,
0.3160

373.2961, 0.3200,

 4.0837, 0.3454,

0.3254

0.3127

439.0534, 0.3196,
0.3256

■ 1.7205, 0.3563,
0.3073

■ 0.4369, 0.4071,
0.2819

■ 85.1463, 0.3246,
0.3231

■ 85.1463, 0.3246,
0.3231

■ 70.7668, 0.3406,
0.3162

100.0000, 0.3127,
0.3290

■ 58.4949, 0.3604,
0.3089

■ 48.2289, 0.3845,
0.3018

■ 39.8613, 0.4135,
0.2953

■ 33.2744, 0.4472,
0.2902

■ 28.3372, 0.4847,
0.2876

■ 24.9007, 0.5237,
0.2887

■ 22.7884, 0.5604,
0.2942

■ 21.7415, 0.5909,
0.3035

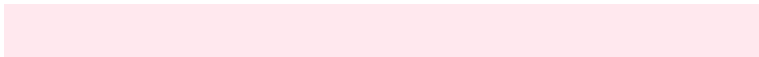
Harmonies

Analogous

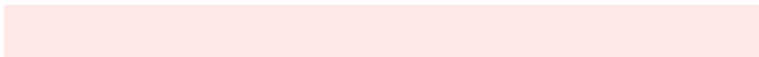
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1463, 0.3150, 0.3159



85.1463, 0.3246, 0.3231



85.1463, 0.3311, 0.3319

Triad

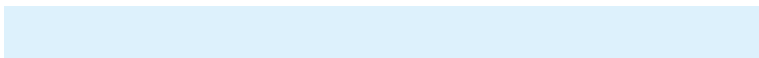
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1463, 0.3246, 0.3231



85.1463, 0.3204, 0.3465



85.1463, 0.2933, 0.3176

Complementary

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



85.1463, 0.3246, 0.3231



95.5114, 0.3021, 0.3350

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.



85.1463, 0.2947, 0.3257



85.1463, 0.3246, 0.3231



85.1463, 0.3102, 0.3426

Square

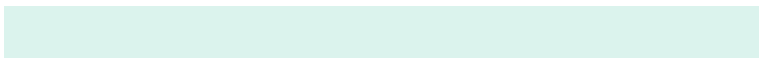
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



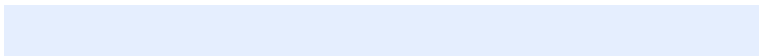
85.1463, 0.3246, 0.3231



85.1463, 0.3286, 0.3455



85.1463, 0.3009, 0.3349



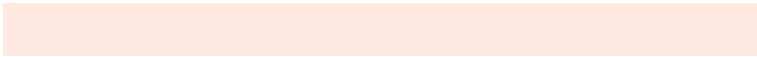
85.1463, 0.2970, 0.3127

Rectangle

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



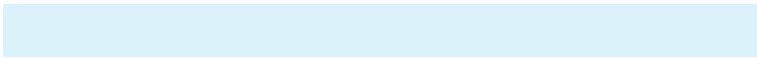
85.1463, 0.3246, 0.3231



85.1463, 0.3326, 0.3375



85.1463, 0.3009, 0.3349



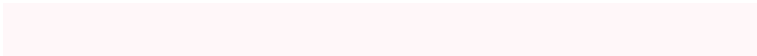
85.1463, 0.2932, 0.3200

Sweetspot

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



85.1440, 0.3246, 0.3231



94.8578, 0.3164, 0.3271



85.0437, 0.3097, 0.3065



20.0167, 0.3174, 0.3266



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

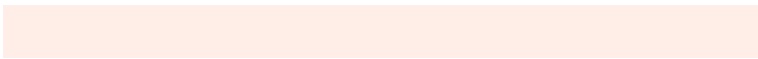
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1440, 0.3246, 0.3231



82.1296, 0.3275, 0.3218



87.8632, 0.3280, 0.3343



18.0654, 0.3253, 0.3228



11.3411, 0.5895, 0.3021



1.1213, 0.5578, 0.2847

Inverse Universe

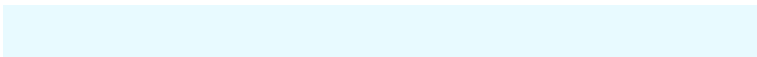
The Inverse Universe completely reimagines the original color for something new.



85.1440, 0.3246, 0.3231



82.1296, 0.3275, 0.3218



92.5169, 0.2987, 0.3236



18.0654, 0.3253, 0.3228



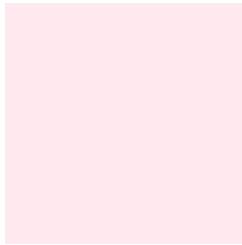
11.3411, 0.5895, 0.3021



1.1213, 0.5578, 0.2847

Previews

White Background



This preview shows how the Yxy color 85.1463, 0.3246, 0.3231 looks on a white background.

Color Contrast Check

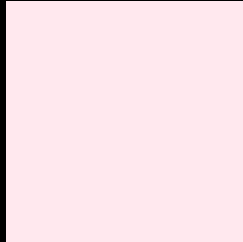
Large Text (above 18pt) WCAG AA × Fail

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 85.1463, 0.3246, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

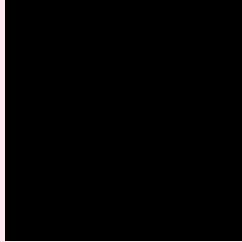
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

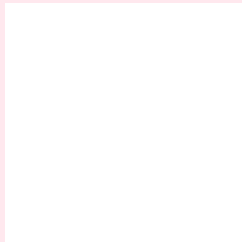
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1463, 0.3246, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 85.1463, 0.3246, 0.3231.

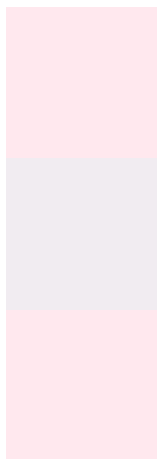


This preview shows how white text looks on a background with the Yxy color 85.1463, 0.3246, 0.3231.

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

85.1463, 0.3246, 0.3231

Protanopia

85.0426, 0.3130, 0.3240

Deuteranopia

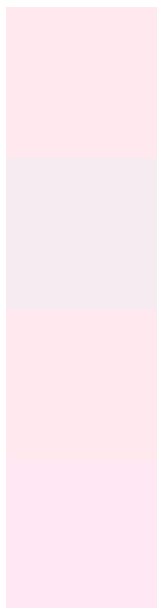
85.1463, 0.3246, 0.3231



Tritanopia

85.1891, 0.3182, 0.3125

Trichromacy



Original Color

85.1463, 0.3246, 0.3231

Protanomaly

85.3008, 0.3170, 0.3240

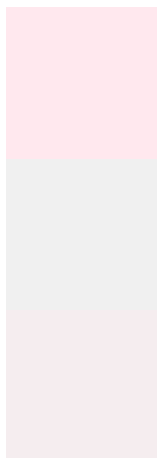
Deuteranomaly

85.1463, 0.3246, 0.3231

Tritanomaly

84.9435, 0.3208, 0.3163

Monochromacy



Original Color

85.1463, 0.3246, 0.3231

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.2128, 0.3168, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1463, 0.3246, 0.3231 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, 232, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 238)  
}
```

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, 232, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.1463, 0.3246, 0.3231 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, 232, 238) }
```

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

```
.border{ border-color:rgb(255, 232, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1463, 0.3246, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 238) }
```

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

```
.background{ background-color: rgb(255,  
232, 238) }
```

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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