

Converting Colors

$Y_{xy}(83.6277, 0.3262, 0.3227)$

Have a look what the booklet for
Yxy(83.6277, 0.3262, 0.3227)
contains.

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Color

Yxy(83.3548, 0.3262, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5EC
RGB	255, 229, 236
RGB Percent	100%, 90%, 93%
CMY	0.0000, 0.1020, 0.0744
CMYK	0.00, 0.10, 0.07, 0.00
HSL	344°, 100%, 95%
HSV	344°, 10%, 100%
XYZ	84.4158, 83.3548, 91.0148
YIQ	237.5720, 13.2490, 7.6890

Conversions

Conversions Part 2

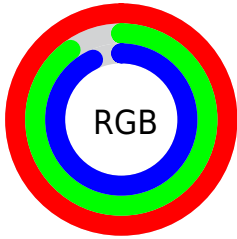
Format	Color
R _Y B	255, 229, 236
Decimal	16770540
CIE Lab	93.17, 10.06, -0.18
CIE LCh	93, 10.059, 358.994
Yxy	83.3548, 0.3262, 0.3221
Android (android.graphics.Color)	4294960620 (0xFFFFE5EC)
YUV	237.5720, -0.7750, 15.2844
Hunter-Lab	91.2988, 5.2699, 4.8036

Details

The Yxy color **83.3548, 0.3262, 0.3221** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.9508, 0.3008, 0.3360**, and the grayscale version is **85.1455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5732, 0.3292, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **69.2341, 0.3425, 0.3149**, and if you desaturate by 10%, it is **99.6489, 0.3130, 0.3289**.

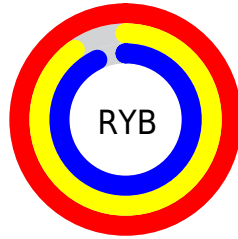
Distribution



Red (100%)

Green (90%)

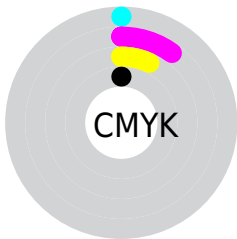
Blue (93%)



Red (100%)

Yellow (90%)

Blue (93%)

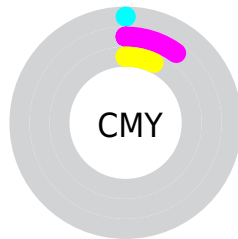


Cyan (0%)

Magenta (10%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3548, 0.3262, 0.3221 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 83.3548, 0.3262, 0.3221 by changing the saturation by 10% instead.

 83.3548, 0.3262,
0.3221

 83.3548, 0.3262,
0.3221

506.1682, 0.3201,
0.3252

 62.4829, 0.3276,
0.3214

138.0723, 0.3241,
0.3232

 45.4230, 0.3292,
0.3205


172.6866, 0.3233,
0.3236

 31.7907, 0.3313,
0.3195


212.6506, 0.3226,
0.3240

 21.2017, 0.3340,
0.3181

258.3485, 0.3220,
0.3243

 13.2715, 0.3376,
0.3163

310.1649, 0.3214,
0.3246

 7.6158, 0.3426,
0.3137

368.4840, 0.3209,

 3.8501, 0.3503,

0.3248

0.3098

433.6903, 0.3205,
0.3250

■ 1.5901, 0.3631,
0.3032

■ 0.3509, 0.4372,
0.2650

■ 83.3548, 0.3262,
0.3221

■ 83.3548, 0.3262,
0.3221

■ 69.2341, 0.3425,
0.3149

99.6489, 0.3130,
0.3289

■ 57.2109, 0.3625,
0.3075

100.0000, 0.3127,
0.3290

■ 47.1793, 0.3868,
0.3001

■ 39.0306, 0.4160,
0.2935

■ 32.6461, 0.4498,
0.2885

■ 27.8930, 0.4872,
0.2862

■ 24.6200, 0.5257,
0.2877

■ 22.6465, 0.5617,
0.2937

■ 21.6896, 0.5911,
0.3030

Harmonies

Analogous

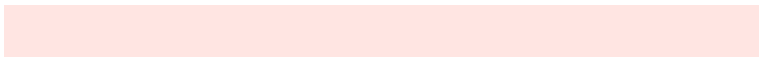
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3548, 0.3151, 0.3140



83.3548, 0.3262, 0.3221



83.3548, 0.3337, 0.3321

Triad

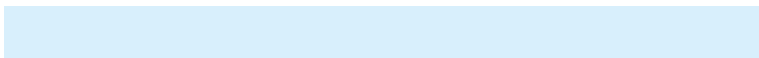
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3548, 0.3262, 0.3221



83.3548, 0.3216, 0.3491



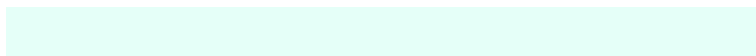
83.3548, 0.2905, 0.3160

Complementary

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



83.3548, 0.3262, 0.3221



94.9508, 0.3008, 0.3360

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.



83.3548, 0.2922, 0.3253



83.3548, 0.3262, 0.3221



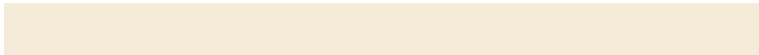
83.3548, 0.3100, 0.3448

Square

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



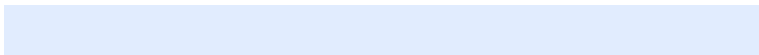
83.3548, 0.3262, 0.3221



83.3548, 0.3310, 0.3478



83.3548, 0.2993, 0.3360



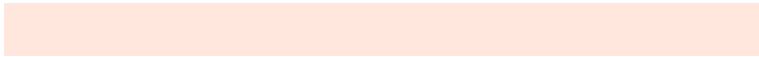
83.3548, 0.2946, 0.3103

Rectangle

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



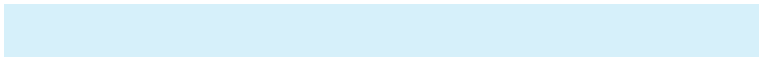
83.3548, 0.3262, 0.3221



83.3548, 0.3356, 0.3386



83.3548, 0.2993, 0.3360



83.3548, 0.2904, 0.3188

Sweetspot

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



83.3489, 0.3262, 0.3221



94.8616, 0.3164, 0.3270



83.1401, 0.3089, 0.3035



20.0177, 0.3174, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

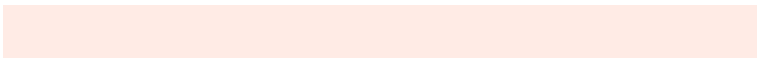
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3489, 0.3262, 0.3221



80.6515, 0.3288, 0.3208



86.1174, 0.3302, 0.3346



18.0678, 0.3252, 0.3226



11.3545, 0.5869, 0.3007



1.1229, 0.5551, 0.2832

Inverse Universe

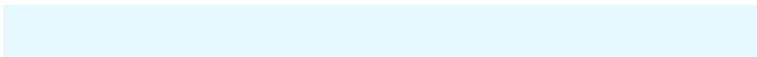
The Inverse Universe completely reimagines the original color for something new.



83.3489, 0.3262, 0.3221



80.6515, 0.3288, 0.3208



91.8523, 0.2969, 0.3233



18.0678, 0.3252, 0.3226



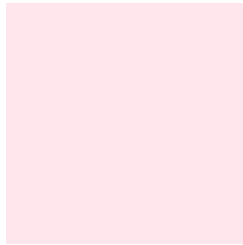
11.3545, 0.5869, 0.3007



1.1229, 0.5551, 0.2832

Previews

White Background



This preview shows how the Yxy color 83.3548, 0.3262, 0.3221 looks on a white background.

Color Contrast Check

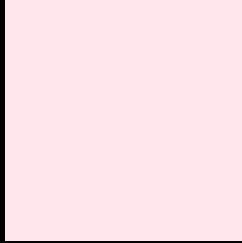
Large Text (above 18pt) WCAG AA × Fail

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 83.3548, 0.3262, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

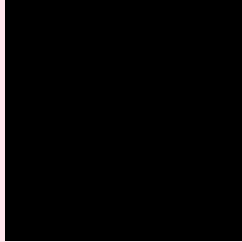
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

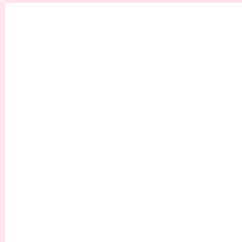
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3548, 0.3262, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 83.3548, 0.3262, 0.3221.

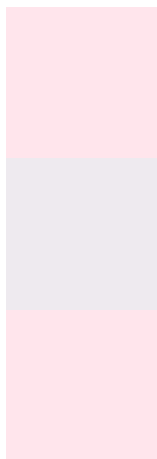


This preview shows how white text looks on a background with the Yxy color 83.3548, 0.3262, 0.3221.

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

83.3548, 0.3262, 0.3221

Protanopia

83.2548, 0.3123, 0.3239

Deuteranopia

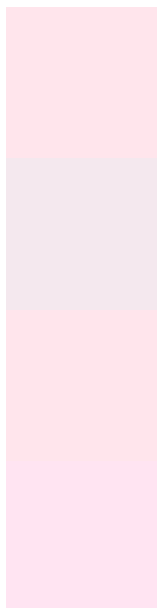
83.3548, 0.3262, 0.3221



Tritanopia

83.3394, 0.3204, 0.3124

Trichromacy



Original Color

83.3548, 0.3262, 0.3221

Protanomaly

83.1194, 0.3171, 0.3230

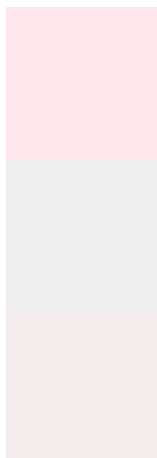
Deuteranomaly

83.3548, 0.3262, 0.3221

Tritanomaly

83.1576, 0.3223, 0.3153

Monochromacy



Original Color

83.3548, 0.3262, 0.3221

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.7642, 0.3175, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3548, 0.3262, 0.3221 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, 229, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 236)  
}
```

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, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 236) }
```

Border

The CSS property to change the border of an element to Yxy 83.3548, 0.3262, 0.3221 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, 229, 236) }
```

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

```
.border{ border-color:rgb(255, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3548, 0.3262, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 236) }
```

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

```
.background{ background-color: rgb(255,  
229, 236) }
```

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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