

Converting Colors

$Y_{xy}(100.0000, 0.3777, 0.3265)$

Have a look what the booklet for
Yxy(100.0000, 0.3777, 0.3265)
contains.

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Color

Yxy(83.7368, 0.3281, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6E9
RGB	255, 230, 233
RGB Percent	100%, 90%, 91%
CMY	0.0000, 0.0980, 0.0864
CMYK	0.00, 0.10, 0.09, 0.00
HSL	353°, 100%, 95%
HSV	353°, 10%, 100%
XYZ	84.2504, 83.7368, 88.7954
YIQ	237.8170, 13.9370, 6.2330

Conversions

Conversions Part 2

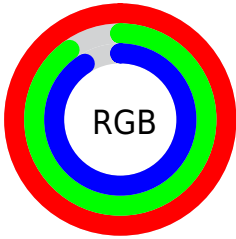
Format	Color
R _Y B	255, 230, 233
Decimal	16770793
CIE Lab	93.34, 9.03, 1.65
CIE LCh	93, 9.176, 10.388
Yxy	83.7368, 0.3281, 0.3261
Android (android.graphics.Color)	4294960873 (0xFFFFE6E9)
YUV	237.8170, -2.3748, 15.0695
Hunter-Lab	91.5078, 4.2046, 6.5229

Details

The Yxy color **83.7368, 0.3281, 0.3261** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.3722, 0.2992, 0.3319**, and the grayscale version is **85.3580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4522, 0.3318, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **69.3619, 0.3476, 0.3230**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

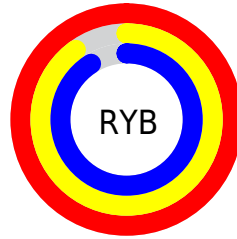
Distribution



Red (100%)

Green (90%)

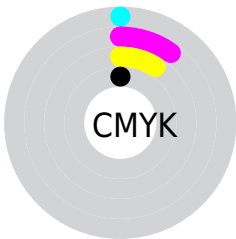
Blue (91%)



Red (100%)

Yellow (90%)

Blue (91%)

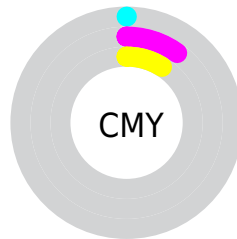


Cyan (0%)

Magenta (10%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7368, 0.3281, 0.3261 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 83.7368, 0.3281, 0.3261 by changing the saturation by 10% instead.

 83.7368, 0.3281,
0.3261

 83.7368, 0.3281,
0.3261


507.4388, 0.3211,
0.3274

 62.7982, 0.3297,
0.3258


138.6069, 0.3257,
0.3266

 45.6779, 0.3316,
0.3254


173.3072, 0.3248,
0.3267

 31.9918, 0.3339,
0.3249


213.3635, 0.3240,
0.3269

 21.3552, 0.3370,
0.3243

259.1602, 0.3233,
0.3270

 13.3839, 0.3412,
0.3235

311.0817, 0.3226,
0.3272

 7.6934, 0.3470,
0.3222

369.5123, 0.3221,

 3.8994, 0.3557,

0.3273

0.3204

434.8366, 0.3216,
0.3274

■ 1.6175, 0.3706,
0.3170

■ 0.3693, 0.4656,
0.3010

■ 83.7368, 0.3281,
0.3261

■ 83.7368, 0.3281,
0.3261

■ 69.3619, 0.3476,
0.3230

100.0000, 0.3127,
0.3290

■ 57.1327, 0.3718,
0.3197

■ 46.9442, 0.4016,
0.3165

■ 38.6851, 0.4374,
0.3138

■ 32.2334, 0.4789,
0.3120

■ 27.4534, 0.5237,
0.3118

■ 24.1898, 0.5674,
0.3138

■ 22.2584, 0.6038,
0.3180

■ 21.3689, 0.6279,
0.3234

Harmonies

Analogous

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



83.7368, 0.3190, 0.3178



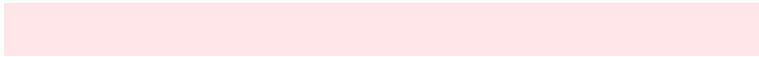
83.7368, 0.3281, 0.3261



83.7368, 0.3331, 0.3353

Triad

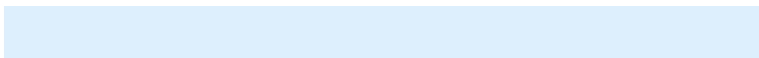
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7368, 0.3281, 0.3261



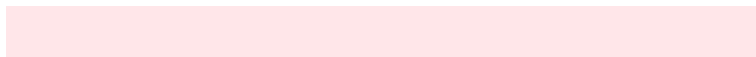
83.7368, 0.3169, 0.3464



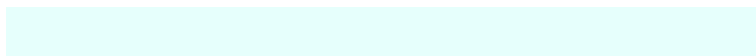
83.7368, 0.2933, 0.3147

Complementary

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



83.7368, 0.3281, 0.3261



95.3722, 0.2992, 0.3319

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.



83.7368, 0.2928, 0.3222



83.7368, 0.3281, 0.3261



83.7368, 0.3063, 0.3407

Square

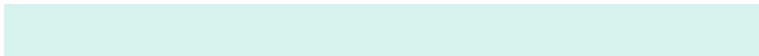
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7368, 0.3281, 0.3261



83.7368, 0.3265, 0.3472



83.7368, 0.2975, 0.3317



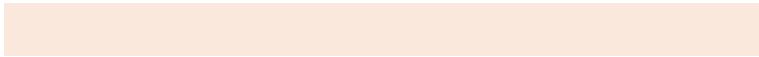
83.7368, 0.2989, 0.3112

Rectangle

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



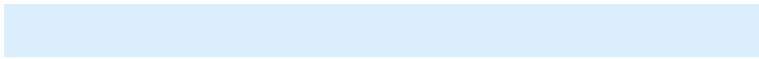
83.7368, 0.3281, 0.3261



83.7368, 0.3333, 0.3408



83.7368, 0.2975, 0.3317



83.7368, 0.2925, 0.3168

Sweetspot

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



83.7345, 0.3281, 0.3261



94.7894, 0.3171, 0.3281



84.4458, 0.3116, 0.3047



19.9983, 0.3183, 0.3279



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

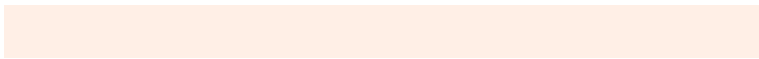
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7345, 0.3281, 0.3261



80.3906, 0.3320, 0.3254



88.8030, 0.3291, 0.3381



18.0223, 0.3276, 0.3262



11.1698, 0.6257, 0.3221



1.0983, 0.6018, 0.3089

Inverse Universe

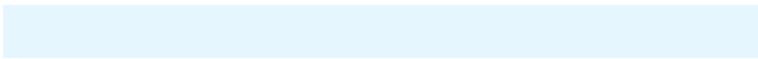
The Inverse Universe completely reimagines the original color for something new.



83.7345, 0.3281, 0.3261



80.3906, 0.3320, 0.3254



89.8524, 0.2975, 0.3198



18.0223, 0.3276, 0.3262



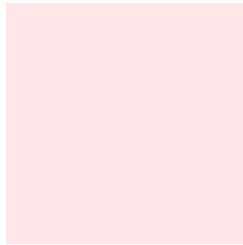
11.1698, 0.6257, 0.3221



1.0983, 0.6018, 0.3089

Previews

White Background



This preview shows how the Yxy color 83.7368, 0.3281, 0.3261 looks on a white background.

Color Contrast Check

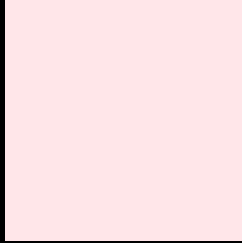
Large Text (above 18pt) WCAG AA × Fail

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 83.7368, 0.3281, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

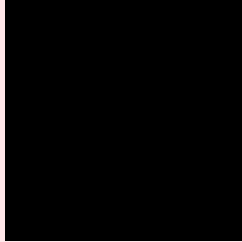
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

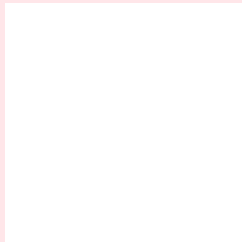
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7368, 0.3281, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 83.7368, 0.3281, 0.3261.

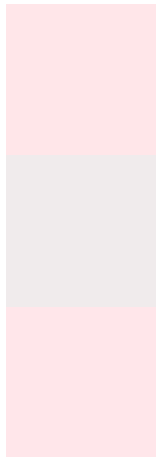


This preview shows how white text looks on a background with the Yxy color 83.7368, 0.3281, 0.3261.

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

83.7368, 0.3281, 0.3261

Protanopia

83.9981, 0.3154, 0.3280

Deuteranopia

83.7941, 0.3274, 0.3251



Tritanopia

83.8912, 0.3203, 0.3134

Trichromacy



Original Color

83.7368, 0.3281, 0.3261

Protanomaly

83.6885, 0.3196, 0.3270

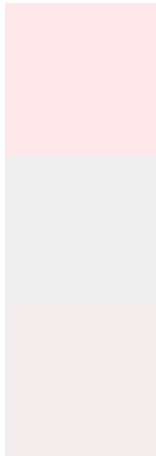
Deuteranomaly

83.7941, 0.3274, 0.3251

Tritanomaly

83.6495, 0.3229, 0.3173

Monochromacy



Original Color

83.7368, 0.3281, 0.3261

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.7059, 0.3181, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7368, 0.3281, 0.3261 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, 230, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 233)  
}
```

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, 230, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 233) }
```

Border

The CSS property to change the border of an element to Yxy 83.7368, 0.3281, 0.3261 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, 230, 233) }
```

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

```
.border{ border-color:rgb(255, 230, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7368, 0.3281, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 233) }
```

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

```
.background{ background-color: rgb(255,  
230, 233) }
```

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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