

Converting Colors

$Y_{xy}(84.7851, 0.3366, 0.3239)$

Have a look what the booklet for
Yxy(84.7851, 0.3366, 0.3239)
contains.

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Color

Yxy(82.6300, 0.3283, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4E9
RGB	255, 228, 233
RGB Percent	100%, 89%, 91%
CMY	0.0000, 0.1059, 0.0863
CMYK	0.00, 0.11, 0.09, 0.00
HSL	349°, 100%, 95%
HSV	349°, 11%, 100%
XYZ	83.7008, 82.6300, 88.6214
YIQ	236.6430, 14.4870, 7.2790

Conversions

Conversions Part 2

Format	Color
RYB	255, 228, 233
Decimal	16770281
CIELab	92.85, 10.06, 0.94
CIELCh	93, 10.109, 5.350
Yxy	82.6300, 0.3283, 0.3241
Android (android.graphics.Color)	4294960361 (0xFFFFE4E9)
YUV	236.6430, -1.7960, 16.0991
Hunter-Lab	90.9010, 5.2842, 5.8276

Details

The Yxy color $82.6300, 0.3283, 0.3241$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $94.9152, 0.2991, 0.3340$, and the grayscale version is $84.4005, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.0672, 0.3319, 0.3240$ is the 20% darker color. If you saturate the color by 10%, you get $68.4973, 0.3466, 0.3192$, and if you desaturate by 10%, it is $98.9639, 0.3135, 0.3287$.

Distribution



Red (100%)

Green (89%)

Blue (91%)



Red (100%)

Yellow (89%)

Blue (91%)



Cyan (0%)

Magenta (11%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6300, 0.3283, 0.3241 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 82.6300, 0.3283, 0.3241 by changing the saturation by 10% instead.

 82.6300, 0.3283,
0.3241

 82.6300, 0.3283,
0.3241


503.7526, 0.3212,
0.3263

 61.8850, 0.3299,
0.3236


137.0571, 0.3259,
0.3249

 44.9398, 0.3318,
0.3230


171.5080, 0.3249,
0.3252

 31.4100, 0.3342,
0.3222


211.2963, 0.3241,
0.3254

 20.9112, 0.3374,
0.3212

256.8064, 0.3234,
0.3257

 13.0591, 0.3416,
0.3198

308.4226, 0.3228,
0.3259

 7.4693, 0.3475,
0.3179

366.5295, 0.3222,

 3.7573, 0.3565,

0.3260

0.3149

431.5114, 0.3217,
0.3262

■ 1.5387, 0.3718,
0.3097

■ 0.3158, 0.4790,
0.2771

■ 82.6300, 0.3283,
0.3241

■ 82.6300, 0.3283,
0.3241

■ 68.4973, 0.3466,
0.3192

98.9639, 0.3135,
0.3287

■ 56.4824, 0.3693,
0.3141

100.0000, 0.3127,
0.3290

■ 46.4795, 0.3971,
0.3091

■ 38.3780, 0.4304,
0.3048

■ 32.0567, 0.4689,
0.3018

■ 27.3806, 0.5109,
0.3010

■ 24.1950, 0.5528,
0.3033

■ 22.3152, 0.5895,
0.3090

■ 21.4668, 0.6152,
0.3163

Harmonies

Analogous

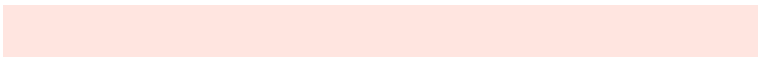
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6300, 0.3177, 0.3153



82.6300, 0.3283, 0.3241



82.6300, 0.3348, 0.3343

Triad

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



82.6300, 0.3283, 0.3241



82.6300, 0.3193, 0.3488



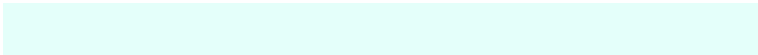
82.6300, 0.2907, 0.3143

Complementary

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



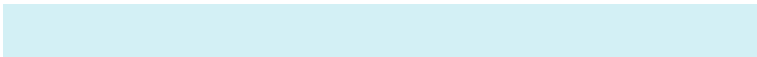
82.6300, 0.3283, 0.3241



94.9152, 0.2991, 0.3340

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.



82.6300, 0.2912, 0.3231



82.6300, 0.3283, 0.3241



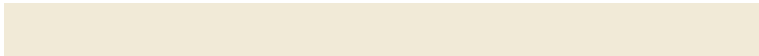
82.6300, 0.3075, 0.3433

Square

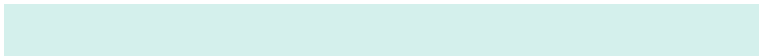
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6300, 0.3283, 0.3241



82.6300, 0.3295, 0.3487



82.6300, 0.2973, 0.3338



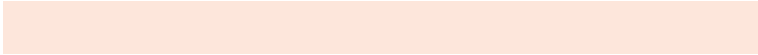
82.6300, 0.2961, 0.3096

Rectangle

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



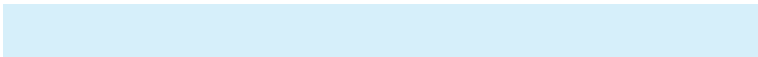
82.6300, 0.3283, 0.3241



82.6300, 0.3357, 0.3406



82.6300, 0.2973, 0.3338



82.6300, 0.2902, 0.3169

Sweetspot

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



82.6261, 0.3283, 0.3241



94.8208, 0.3168, 0.3277



82.9533, 0.3103, 0.3026



20.0067, 0.3179, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

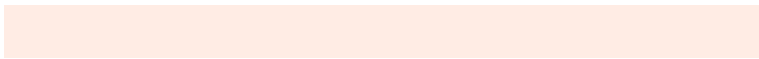
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6261, 0.3283, 0.3241



79.0235, 0.3323, 0.3229



86.9071, 0.3307, 0.3370



18.0420, 0.3265, 0.3246



11.2325, 0.6118, 0.3144



1.1077, 0.5828, 0.2984

Inverse Universe

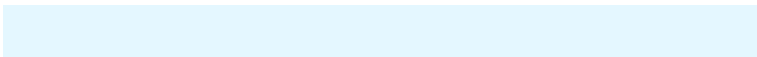
The Inverse Universe completely reimagines the original color for something new.



82.6261, 0.3283, 0.3241



79.0235, 0.3323, 0.3229



90.1722, 0.2963, 0.3208



18.0420, 0.3265, 0.3246



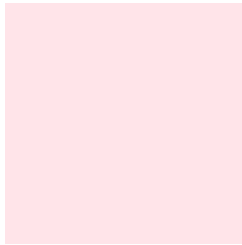
11.2325, 0.6118, 0.3144



1.1077, 0.5828, 0.2984

Previews

White Background



This preview shows how the Yxy color 82.6300, 0.3283, 0.3241 looks on a white background.

Color Contrast Check

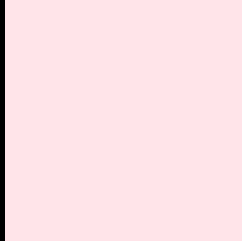
Large Text (above 18pt) WCAG AA × Fail

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 82.6300, 0.3283, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

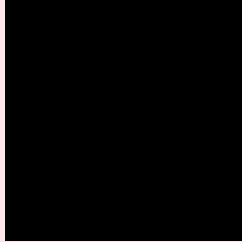
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6300, 0.3283, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 82.6300, 0.3283, 0.3241.

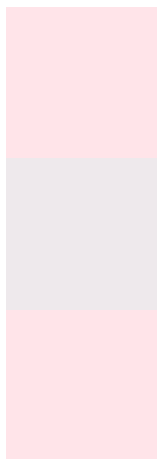


This preview shows how white text looks on a background with the Yxy color 82.6300, 0.3283, 0.3241.

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

82.6300, 0.3283, 0.3241

Protanopia

82.5111, 0.3142, 0.3259

Deuteranopia

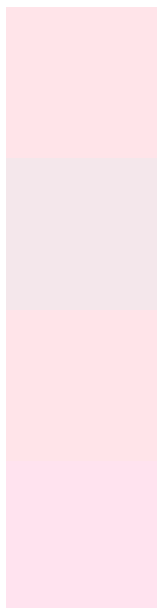
82.6300, 0.3283, 0.3241



Tritanopia

82.6692, 0.3217, 0.3133

Trichromacy



Original Color

82.6300, 0.3283, 0.3241

Protanomaly

82.3831, 0.3191, 0.3250

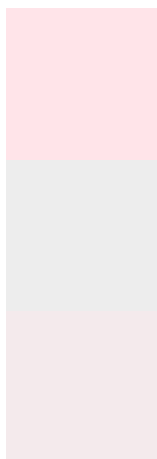
Deuteranomaly

82.6300, 0.3283, 0.3241

Tritanomaly

82.4302, 0.3244, 0.3172

Monochromacy



Original Color

82.6300, 0.3283, 0.3241

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.1349, 0.3182, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6300, 0.3283, 0.3241 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, 228, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 233) }
```

Border

The CSS property to change the border of an element to Yxy 82.6300, 0.3283, 0.3241 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, 228, 233) }
```

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

```
.border{ border-color:rgb(255, 228, 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, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6300, 0.3283, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 233) }
```

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

```
.background{ background-color: rgb(255,  
228, 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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