

Converting Colors

$Y_{xy}(82.3757, 0.3251, 0.3183)$

Have a look what the booklet for
Yxy(82.3757, 0.3251, 0.3183)
contains.

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Color

Yxy(82.3712, 0.3250, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3EE
RGB	255, 227, 238
RGB Percent	100%, 89%, 93%
CMY	0.0002, 0.1097, 0.0666
CMYK	0.00, 0.11, 0.07, 0.00
HSL	336°, 100%, 95%
HSV	336°, 11%, 100%
XYZ	84.1315, 82.3712, 92.3634
YIQ	236.6260, 13.1570, 9.3570

Conversions

Conversions Part 2

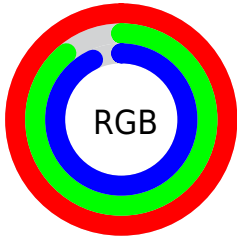
Format	Color
R _Y B	255, 227, 238
Decimal	16770030
CIE Lab	92.74, 11.38, -1.85
CIE LCh	93, 11.525, 350.784
Yxy	82.3712, 0.3250, 0.3182
Android (android.graphics.Color)	4294960110 (0xFFFFE3EE)
YUV	236.6260, 0.6774, 16.1140
Hunter-Lab	90.7586, 6.6386, 3.1926

Details

The Yxy color $82.3712, 0.3250, 0.3182$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $94.3571, 0.3019, 0.3401$, and the grayscale version is $84.3724, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.8882, 0.3277, 0.3165$ is the 20% darker color. If you saturate the color by 10%, you get $68.5735, 0.3388, 0.3078$, and if you desaturate by 10%, it is $98.3193, 0.3137, 0.3281$.

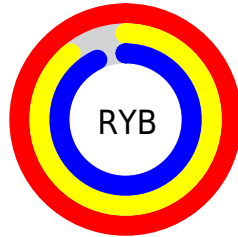
Distribution



Red (100%)

Green (89%)

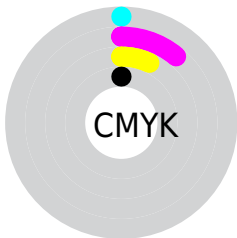
Blue (93%)



Red (100%)

Yellow (89%)

Blue (93%)

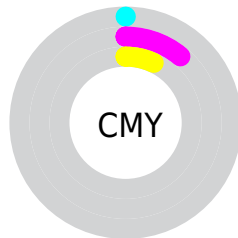


Cyan (0%)

Magenta (11%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3712, 0.3250, 0.3182 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 82.3712, 0.3250, 0.3182 by changing the saturation by 10% instead.


 82.3712, 0.3250,
0.3182

 82.3712, 0.3250,
0.3182

502.8885, 0.3195,
0.3231

 61.6716, 0.3262,
0.3171

136.6944, 0.3231,
0.3199

 44.7674, 0.3277,
0.3158


171.0868, 0.3224,
0.3205

 31.2742, 0.3296,
0.3142

210.8122, 0.3217,
0.3211

 20.8078, 0.3321,
0.3120

256.2550, 0.3211,
0.3216

 12.9835, 0.3353,
0.3092

307.7997, 0.3207,
0.3220

 7.4172, 0.3399,
0.3053

365.8305, 0.3202,

 3.7244, 0.3468,

0.3224

0.2994

430.7320, 0.3198,
0.3228

■ 1.5206, 0.3584,
0.2897

■ 0.3032, 0.4260,
0.2283

■ 82.3712, 0.3250,
0.3182

■ 82.3712, 0.3250,
0.3182

■ 68.5735, 0.3388,
0.3078

■ 98.3193, 0.3137,
0.3281

■ 56.8230, 0.3556,
0.2970

■ 99.9922, 0.3127,
0.3290

■ 47.0241, 0.3757,
0.2864

■ 39.0695, 0.3995,
0.2767

■ 32.8411, 0.4269,
0.2688

■ 28.2073, 0.4571,
0.2642

■ 25.0168, 0.4888,
0.2640

■ 23.0890, 0.5197,
0.2691

■ 22.1786, 0.5453,
0.2778

Harmonies

Analogous

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



82.3712, 0.3117, 0.3099



82.3712, 0.3250, 0.3182



82.3712, 0.3351, 0.3293

Triad

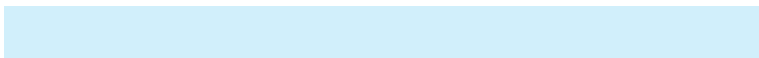
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3712, 0.3250, 0.3182



82.3712, 0.3263, 0.3524



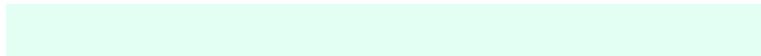
82.3712, 0.2871, 0.3166

Complementary

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



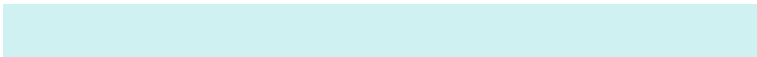
82.3712, 0.3250, 0.3182



94.3571, 0.3019, 0.3401

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.



82.3712, 0.2908, 0.3281



82.3712, 0.3250, 0.3182



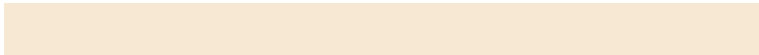
82.3712, 0.3133, 0.3492

Square

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



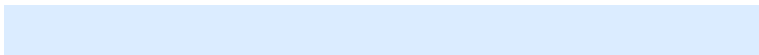
82.3712, 0.3250, 0.3182



82.3712, 0.3358, 0.3491



82.3712, 0.3003, 0.3401



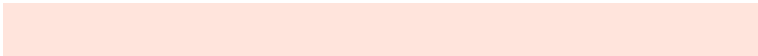
82.3712, 0.2900, 0.3088

Rectangle

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



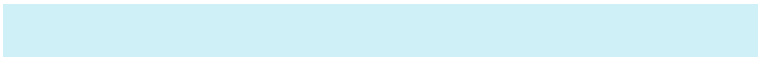
82.3712, 0.3250, 0.3182



82.3712, 0.3385, 0.3370



82.3712, 0.3003, 0.3401



82.3712, 0.2876, 0.3201

Sweetspot

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



82.3748, 0.3250, 0.3182



94.9206, 0.3158, 0.3261



81.3604, 0.3065, 0.3013



20.0336, 0.3167, 0.3253



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

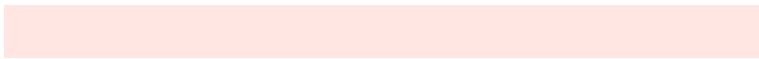
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3748, 0.3250, 0.3182



79.4150, 0.3276, 0.3161



83.2891, 0.3320, 0.3318



18.1055, 0.3232, 0.3197



11.6204, 0.5411, 0.2754



1.1522, 0.5107, 0.2587

Inverse Universe

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



82.3748, 0.3250, 0.3182



79.4150, 0.3276, 0.3161



93.2757, 0.2958, 0.3262



18.1055, 0.3232, 0.3197



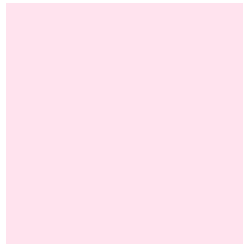
11.6204, 0.5411, 0.2754



1.1522, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 82.3712, 0.3250, 0.3182 looks on a white background.

Color Contrast Check

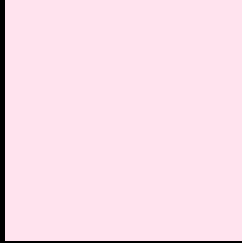
Large Text (above 18pt) WCAG AA × Fail

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 82.3712, 0.3250, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

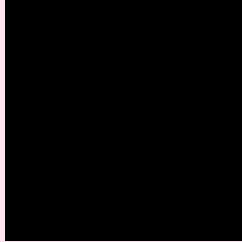
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3712, 0.3250, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 82.3712, 0.3250, 0.3182.

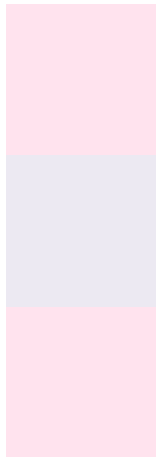


This preview shows how white text looks on a background with the Yxy color 82.3712, 0.3250, 0.3182.

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

82.3712, 0.3250, 0.3182

Protanopia

82.5215, 0.3091, 0.3198

Deuteranopia

82.3712, 0.3250, 0.3182



Tritanopia

82.1238, 0.3218, 0.3123

Trichromacy



Original Color

82.3712, 0.3250, 0.3182

Protanomaly

82.5574, 0.3145, 0.3190

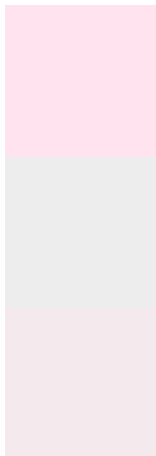
Deuteranomaly

82.3712, 0.3250, 0.3182

Tritanomaly

82.0036, 0.3231, 0.3143

Monochromacy



Original Color

82.3712, 0.3250, 0.3182

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

83.6253, 0.3176, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3712, 0.3250, 0.3182 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, 227, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 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, 227, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 238) }
```

Border

The CSS property to change the border of an element to Yxy 82.3712, 0.3250, 0.3182 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, 227, 238) }
```

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

```
.border{ border-color:rgb(255, 227, 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, 227, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3712, 0.3250, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 238) }
```

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

```
.background{ background-color: rgb(255,  
227, 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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