

Converting Colors

$Y_{xy}(82.7158, 0.3209, 0.3121)$

Have a look what the booklet for
Yxy(82.7158, 0.3209, 0.3121)
contains.

Yxy(82.7298, 0.3211, 0.3124)	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(82.7298, 0.3211, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3F4
RGB	255, 227, 244
RGB Percent	100%, 89%, 96%
CMY	0.0000, 0.1098, 0.0432
CMYK	0.00, 0.11, 0.04, 0.00
HSL	324°, 100%, 95%
HSV	324°, 11%, 100%
XYZ	85.0337, 82.7298, 97.0566
YIQ	237.3100, 11.2310, 11.2230

Conversions

Conversions Part 2

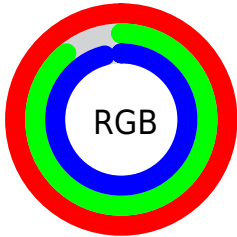
Format	Color
R_{YB}	255, 227, 244
Decimal	16770036
CIE _{Lab}	92.90, 12.41, -4.73
CIE _{LCh}	93, 13.277, 339.139
Yxy	82.7298, 0.3211, 0.3124
Android (android.graphics.Color)	4294960116 (0xFFFFE3F4)
YUV	237.3100, 3.2982, 15.5141
Hunter-Lab	90.9559, 7.7049, 0.4024

Details

The Yxy color $82.7298, 0.3211, 0.3124$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $94.0241, 0.3052, 0.3462$, and the grayscale version is $84.9081, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.1417, 0.3226, 0.3090$ is the 20% darker color. If you saturate the color by 10%, you get $69.2082, 0.3303, 0.2965$, and if you desaturate by 10%, it is $98.3576, 0.3134, 0.3276$.

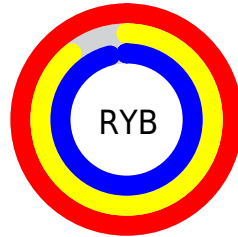
Distribution



Red (100%)

Green (89%)

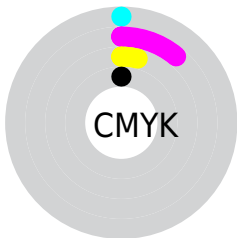
Blue (96%)



Red (100%)

Yellow (89%)

Blue (96%)

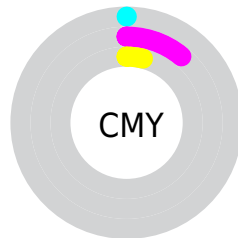


Cyan (0%)

Magenta (11%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7298, 0.3211, 0.3124 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 82.7298, 0.3211, 0.3124 by changing the saturation by 10% instead.

 82.7298, 0.3211,
0.3124

 82.7298, 0.3211,
0.3124


504.0856, 0.3174,
0.3198

 61.9673, 0.3219,
0.3108


137.1970, 0.3198,
0.3149

 45.0063, 0.3229,
0.3088


171.6704, 0.3193,
0.3159

 31.4624, 0.3242,
0.3063


211.4829, 0.3189,
0.3168

 20.9512, 0.3258,
0.3031

257.0189, 0.3185,
0.3175

 13.0883, 0.3279,
0.2990

308.6628, 0.3182,
0.3182

 7.4894, 0.3308,
0.2932

366.7989, 0.3179,

 3.7700, 0.3352,

0.3188

0.2846

431.8117, 0.3176,
0.3193

■ 1.5458, 0.3422,
0.2708

■ 0.3206, 0.3779,
0.1994

■ 82.7298, 0.3211,
0.3124

■ 82.7298, 0.3211,
0.3124

■ 69.2082, 0.3303,
0.2965

98.3576, 0.3134,
0.3276

■ 57.6908, 0.3412,
0.2803

99.9991, 0.3127,
0.3290

■ 48.0837, 0.3538,
0.2644

■ 40.2808, 0.3684,
0.2496

■ 34.1658, 0.3846,
0.2369

■ 29.6087, 0.4021,
0.2276

■ 26.4601, 0.4204,
0.2228

■ 24.5410, 0.4386,
0.2233

■ 23.6127, 0.4546,
0.2278

Harmonies

Analogous

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



82.7298, 0.3056, 0.3049



82.7298, 0.3211, 0.3124



82.7298, 0.3346, 0.3242

Triad

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



82.7298, 0.3211, 0.3124



82.7298, 0.3332, 0.3554



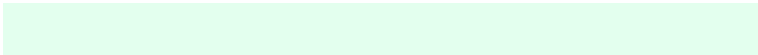
82.7298, 0.2841, 0.3194

Complementary

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



82.7298, 0.3211, 0.3124



94.0241, 0.3052, 0.3462

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.



82.7298, 0.2911, 0.3334



82.7298, 0.3211, 0.3124



82.7298, 0.3193, 0.3546

Square

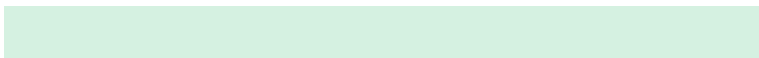
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



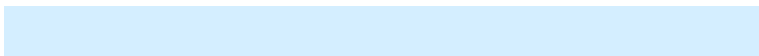
82.7298, 0.3211, 0.3124



82.7298, 0.3417, 0.3489



82.7298, 0.3039, 0.3465



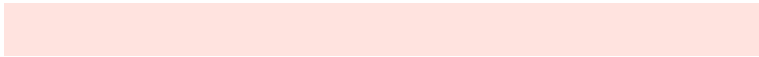
82.7298, 0.2845, 0.3085

Rectangle

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



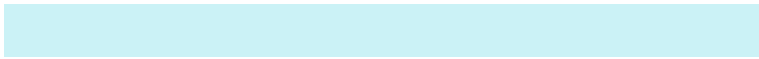
82.7298, 0.3211, 0.3124



82.7298, 0.3406, 0.3330



82.7298, 0.3039, 0.3465



82.7298, 0.2856, 0.3239

Sweetspot

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



82.7334, 0.3211, 0.3124



95.0233, 0.3148, 0.3246



80.2955, 0.3024, 0.3009



20.0613, 0.3154, 0.3234



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.



82.7334, 0.3211, 0.3124



79.8307, 0.3228, 0.3092



81.9317, 0.3302, 0.3258



18.1721, 0.3199, 0.3147



12.3689, 0.4518, 0.2263



1.2258, 0.4328, 0.2158

Inverse Universe

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



82.7334, 0.3211, 0.3124



79.8307, 0.3228, 0.3092



94.8607, 0.2976, 0.3322



18.1721, 0.3199, 0.3147



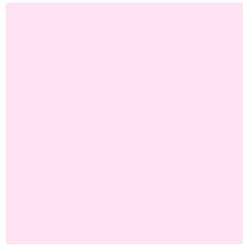
12.3689, 0.4518, 0.2263



1.2258, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 82.7298, 0.3211, 0.3124 looks on a white background.

Color Contrast Check

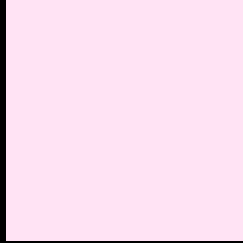
Large Text (above 18pt) WCAG AA × Fail

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 82.7298, 0.3211, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

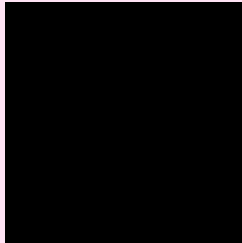
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7298, 0.3211, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 82.7298, 0.3211, 0.3124.



This preview shows how white text looks on a background with the Yxy color 82.7298, 0.3211, 0.3124.

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

82.7298, 0.3211, 0.3124

Protanopia

82.7173, 0.3048, 0.3138

Deuteranopia

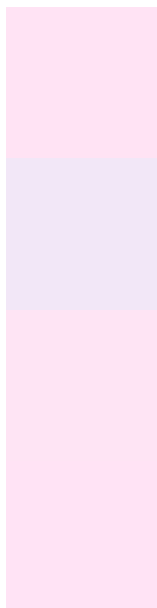
82.9011, 0.3196, 0.3133



Tritanopia

82.7907, 0.3204, 0.3114

Trichromacy



Original Color

82.7298, 0.3211, 0.3124

Protanomaly

82.7445, 0.3101, 0.3130

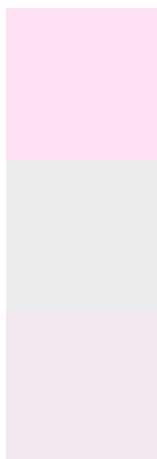
Deuteranomaly

83.0893, 0.3203, 0.3133

Tritanomaly

82.7907, 0.3204, 0.3114

Monochromacy



Original Color

82.7298, 0.3211, 0.3124

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

83.8022, 0.3157, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7298, 0.3211, 0.3124 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 244) }
```

Border

The CSS property to change the border of an element to Yxy 82.7298, 0.3211, 0.3124 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, 244) }
```

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

```
.border{ border-color:rgb(255, 227, 244) }
```

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, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7298, 0.3211, 0.3124 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, 244) }
```

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

```
.background{ background-color: rgb(255,  
227, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor