

Converting Colors

$Y_{xy}(100.0000, 0.3573, 0.3246)$

Have a look what the booklet for
Yxy(100.0000, 0.3573, 0.3246)
contains.

Yxy(88.2994, 0.3210, 0.3232)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(88.2994, 0.3210, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDF3
RGB	255, 237, 243
RGB Percent	100%, 93%, 95%
CMY	0.0000, 0.0706, 0.0471
CMYK	0.00, 0.07, 0.05, 0.00
HSL	340°, 100%, 96%
HSV	340°, 7%, 100%
XYZ	87.6984, 88.2994, 97.2058
YIQ	243.0660, 8.8020, 5.6820

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 237, 243
Decimal	16772595
CIE Lab	95.29, 7.08, -0.70
CIE LCh	95, 7.117, 354.320
Yxy	88.2994, 0.3210, 0.3232
Android (android.graphics.Color)	4294962675 (0xFFFFEDF3)
YUV	243.0660, -0.0325, 10.4661
Hunter-Lab	93.9678, 2.1471, 4.4443

Details

The Yxy color **88.2994, 0.3210, 0.3232** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.3628, 0.3051, 0.3349**, and the grayscale version is **89.6794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6414, 0.3225, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **73.5906, 0.3350, 0.3145**, and if you desaturate by 10%, it is **99.9989, 0.3127, 0.3290**.

Distribution



Red (100%)

Green (93%)

Blue (95%)



Red (100%)

Yellow (93%)

Blue (95%)



Cyan (0%)

Magenta (7%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.2994, 0.3210, 0.3232 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 88.2994, 0.3210, 0.3232 by changing the saturation by 10% instead.


 88.2994, 0.3210,
0.3232

 88.2994, 0.3210,
0.3232


522.4832, 0.3173,
0.3258

 66.5711, 0.3218,
0.3226

144.9739, 0.3197,
0.3241

 48.7361, 0.3228,
0.3219

180.6889, 0.3192,
0.3244

 34.4102, 0.3240,
0.3211


221.8348, 0.3188,
0.3247

 23.2089, 0.3256,
0.3200

268.7961, 0.3184,
0.3250

 14.7478, 0.3277,
0.3185

321.9573, 0.3181,
0.3252

 8.6426, 0.3306,
0.3165

381.7025, 0.3178,

 4.5088, 0.3350,

0.3254

0.3135

448.4164, 0.3175,
0.3256

■ 1.9621, 0.3420,
0.3086

■ 0.5853, 0.3644,
0.2925

■ 88.2994, 0.3210,
0.3232

■ 88.2994, 0.3210,
0.3232

■ 73.5906, 0.3350,
0.3145

99.9989, 0.3127,
0.3290

■ 60.9821, 0.3521,
0.3055

■ 50.3808, 0.3730,
0.2964

■ 41.6817, 0.3979,
0.2878

■ 34.7706, 0.4271,
0.2806

■ 29.5207, 0.4600,
0.2759

■ 25.7884, 0.4950,
0.2751

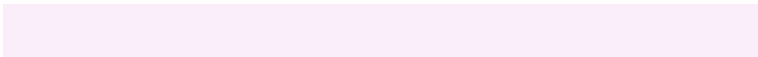
■ 23.4052, 0.5297,
0.2791

■ 22.1569, 0.5609,
0.2880

Harmonies

Analogous

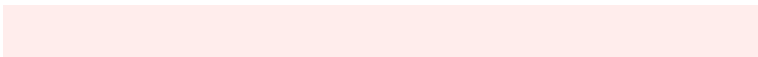
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2994, 0.3131, 0.3178



88.2994, 0.3210, 0.3232



88.2994, 0.3267, 0.3301

Triad

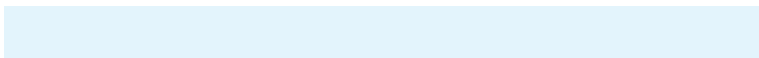
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2994, 0.3210, 0.3232



88.2994, 0.3201, 0.3430



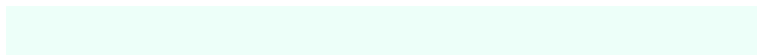
88.2994, 0.2972, 0.3209

Complementary

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



88.2994, 0.3210, 0.3232



96.3628, 0.3051, 0.3349

Split Complementary

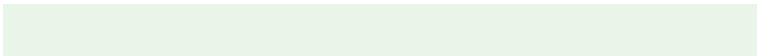
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2994, 0.2990, 0.3277



88.2994, 0.3210, 0.3232



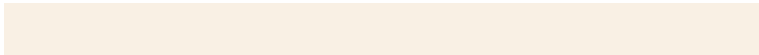
88.2994, 0.3121, 0.3406

Square

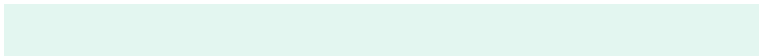
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



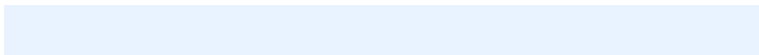
88.2994, 0.3210, 0.3232



88.2994, 0.3261, 0.3416



88.2994, 0.3044, 0.3349



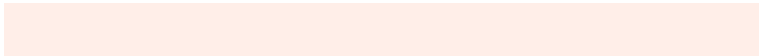
88.2994, 0.2994, 0.3164

Rectangle

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



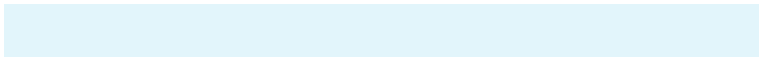
88.2994, 0.3210, 0.3232



88.2994, 0.3284, 0.3347



88.2994, 0.3044, 0.3349



88.2994, 0.2973, 0.3230

Sweetspot

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



88.3032, 0.3210, 0.3232



96.5718, 0.3149, 0.3274



87.9332, 0.3096, 0.3115



20.7062, 0.3148, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

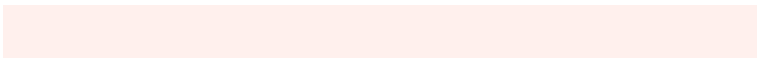
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3032, 0.3210, 0.3232



86.8217, 0.3222, 0.3224



89.6982, 0.3245, 0.3320



18.0867, 0.3242, 0.3211



11.4744, 0.5650, 0.2886



1.1365, 0.5332, 0.2711

Inverse Universe

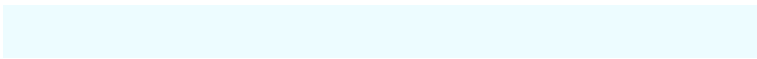
The Inverse Universe completely reimagines the original color for something new.



88.3032, 0.3210, 0.3232



86.8217, 0.3222, 0.3224



94.8444, 0.3018, 0.3260



18.0867, 0.3242, 0.3211



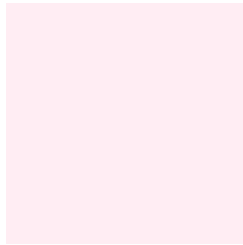
11.4744, 0.5650, 0.2886



1.1365, 0.5332, 0.2711

Previews

White Background



This preview shows how the Yxy color 88.2994, 0.3210, 0.3232 looks on a white background.

Color Contrast Check

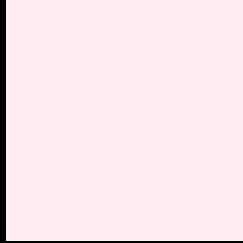
Large Text (above 18pt) WCAG AA × Fail

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 88.2994, 0.3210, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

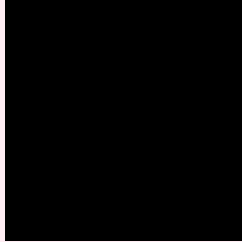
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

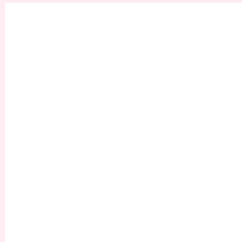
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.2994, 0.3210, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 88.2994, 0.3210, 0.3232.

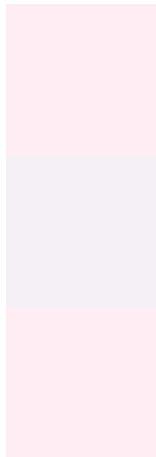


This preview shows how white text looks on a background with the Yxy color 88.2994, 0.3210, 0.3232.

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

88.2994, 0.3210, 0.3232

Protanopia

88.3252, 0.3129, 0.3241

Deuteranopia

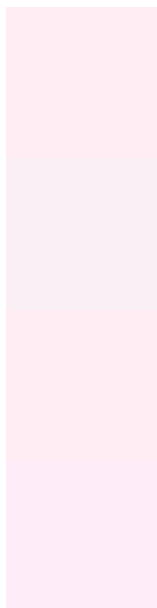
88.2994, 0.3210, 0.3232



Tritanopia

88.3428, 0.3148, 0.3126

Trichromacy



Original Color

88.2994, 0.3210, 0.3232

Protanomaly

88.4044, 0.3162, 0.3241

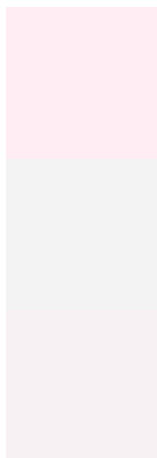
Deuteranomaly

88.2994, 0.3210, 0.3232

Tritanomaly

88.0905, 0.3173, 0.3164

Monochromacy



Original Color

88.2994, 0.3210, 0.3232

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.1558, 0.3154, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2994, 0.3210, 0.3232 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, 237, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 243)  
}
```

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, 237, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 243) }
```

Border

The CSS property to change the border of an element to Yxy 88.2994, 0.3210, 0.3232 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, 237, 243) }
```

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

```
.border{ border-color:rgb(255, 237, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2994, 0.3210, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 243) }
```

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

```
.background{ background-color: rgb(255,  
237, 243) }
```

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