

Converting Colors

$Y_{xy}(100.0000, 0.3795, 0.3307)$

Have a look what the booklet for
Yxy(100.0000, 0.3795, 0.3307)
contains.

Yxy(84.0690, 0.3306, 0.3310)	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(84.0690, 0.3306, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7E5
RGB	255, 231, 229
RGB Percent	100%, 91%, 90%
CMY	0.0000, 0.0941, 0.1019
CMYK	0.00, 0.09, 0.10, 0.00
HSL	5°, 100%, 95%
HSV	5°, 10%, 100%
XYZ	83.9674, 84.0690, 85.9485
YIQ	237.9480, 14.9460, 4.4660

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 231, 229
Decimal	16771045
CIE Lab	93.48, 7.87, 3.92
CIE LCh	93, 8.789, 26.504
Yxy	84.0690, 0.3306, 0.3310
Android (android.graphics.Color)	4294961125 (0xFFFFE7E5)
YUV	237.9480, -4.4114, 14.9546
Hunter-Lab	91.6891, 3.0113, 8.6046

Details

The Yxy color **84.0690, 0.3306, 0.3310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.1521, 0.2970, 0.3270**, and the grayscale version is **85.4837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7217, 0.3342, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **70.4314, 0.3524, 0.3331**, and if you desaturate by 10%, it is **99.6908, 0.3130, 0.3290**.

Distribution



Red (100%)

Green (91%)

Blue (90%)



Red (100%)

Yellow (91%)

Blue (90%)



Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0690, 0.3306, 0.3310 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 84.0690, 0.3306, 0.3310 by changing the saturation by 10% instead.


 84.0690, 0.3306,
0.3310

 84.0690, 0.3306,
0.3310

508.5423, 0.3225,
0.3302

 63.0724, 0.3324,
0.3312


139.0717, 0.3278,
0.3307

 45.8998, 0.3346,
0.3314


173.8466, 0.3267,
0.3306

 32.1667, 0.3374,
0.3316


213.9830, 0.3258,
0.3305

 21.4889, 0.3410,
0.3319

259.8654, 0.3250,
0.3304

 13.4818, 0.3458,
0.3323

311.8781, 0.3242,
0.3304

 7.7612, 0.3526,
0.3328

370.4056, 0.3236,

 3.9425, 0.3629,

0.3303

0.3334

435.8322, 0.3230,
0.3302

■ 1.6415, 0.3802,
0.3340

■ 0.3853, 0.5127,
0.3539

■ 84.0690, 0.3306,
0.3310

■ 84.0690, 0.3306,
0.3310

■ 70.4314, 0.3524,
0.3331

99.6908, 0.3130,
0.3290

■ 58.6999, 0.3793,
0.3353

100.0000, 0.3127,
0.3290

■ 48.7893, 0.4121,
0.3375

■ 40.6081, 0.4511,
0.3393

■ 34.0572, 0.4954,
0.3406

■ 29.0271, 0.5418,
0.3407

■ 25.3952, 0.5849,
0.3393

■ 23.0195, 0.6177,
0.3365

■ 21.7373, 0.6359,
0.3333

Harmonies

Analogous

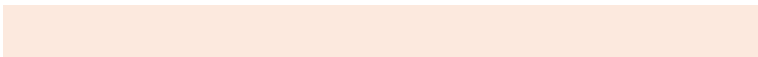
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0690, 0.3238, 0.3223



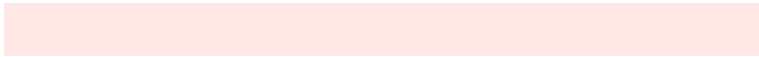
84.0690, 0.3306, 0.3310



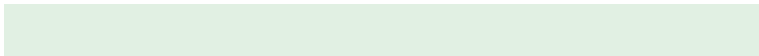
84.0690, 0.3326, 0.3393

Triad

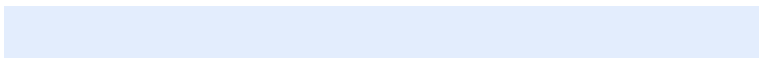
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0690, 0.3306, 0.3310



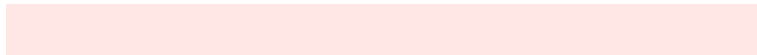
84.0690, 0.3112, 0.3432



84.0690, 0.2965, 0.3130

Complementary

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



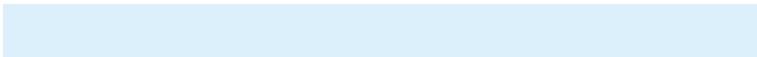
84.0690, 0.3306, 0.3310



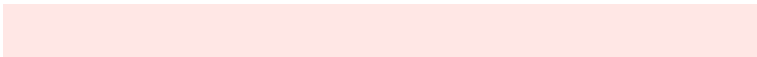
94.1521, 0.2970, 0.3270

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.



84.0690, 0.2933, 0.3183



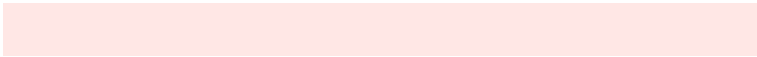
84.0690, 0.3306, 0.3310



84.0690, 0.3017, 0.3358

Square

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



84.0690, 0.3306, 0.3310



84.0690, 0.3213, 0.3466



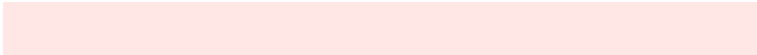
84.0690, 0.2952, 0.3266



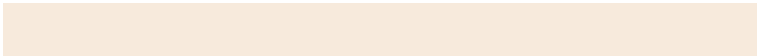
84.0690, 0.3040, 0.3120

Rectangle

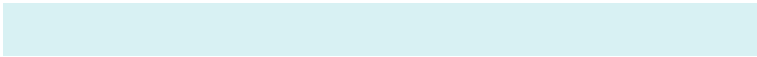
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



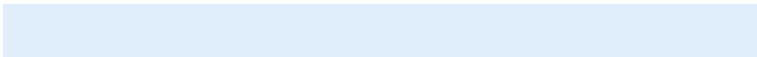
84.0690, 0.3306, 0.3310



84.0690, 0.3308, 0.3436



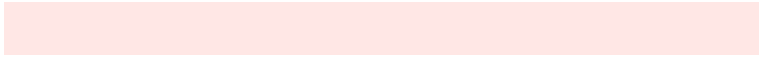
84.0690, 0.2952, 0.3266



84.0690, 0.2949, 0.3143

Sweetspot

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



84.0685, 0.3306, 0.3310



95.0889, 0.3176, 0.3296



84.4224, 0.3150, 0.3055



20.0787, 0.3189, 0.3297



0.0000, 0.0000, 0.0000



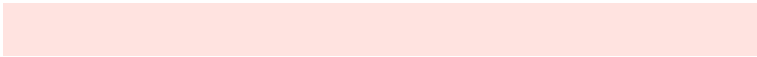
21.4041, 0.3127, 0.3290

Same Dimension

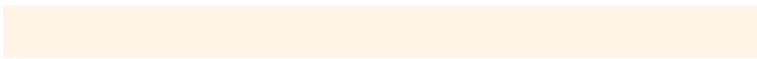
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0685, 0.3306, 0.3310



81.4490, 0.3342, 0.3314



91.4666, 0.3292, 0.3435



18.2082, 0.3293, 0.3309



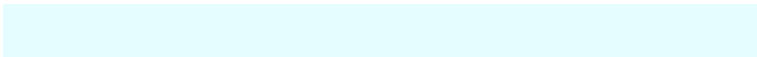
11.4366, 0.6346, 0.3343



1.1866, 0.6228, 0.3436

Inverse Universe

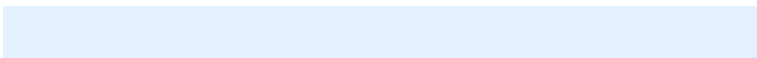
The Inverse Universe completely reimagines the original color for something new.



94.1521, 0.2970, 0.3270



93.1796, 0.2942, 0.3266



86.3686, 0.2968, 0.3141



20.2317, 0.2980, 0.3271



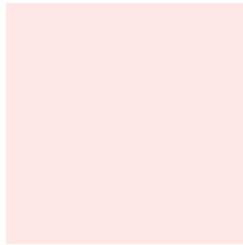
35.1168, 0.2181, 0.3051



3.4866, 0.2189, 0.3080

Previews

White Background



This preview shows how the Yxy color 84.0690, 0.3306, 0.3310 looks on a white background.

Color Contrast Check

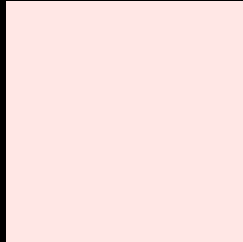
Large Text (above 18pt) WCAG AA × Fail

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 84.0690, 0.3306, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

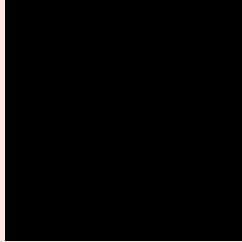
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

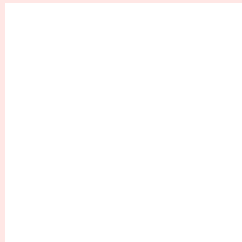
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0690, 0.3306, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 84.0690, 0.3306, 0.3310.

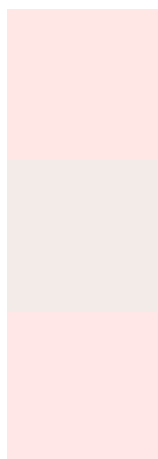


This preview shows how white text looks on a background with the Yxy color 84.0690, 0.3306, 0.3310.

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

84.0690, 0.3306, 0.3310

Protanopia

84.0634, 0.3199, 0.3331

Deuteranopia

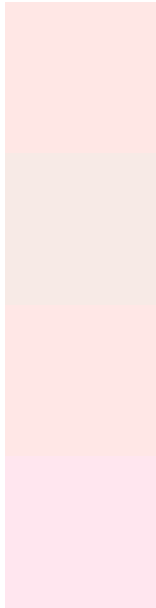
84.1813, 0.3293, 0.3291



Tritanopia

83.8912, 0.3203, 0.3134

Trichromacy



Original Color

84.0690, 0.3306, 0.3310

Protanomaly

84.3330, 0.3241, 0.3331

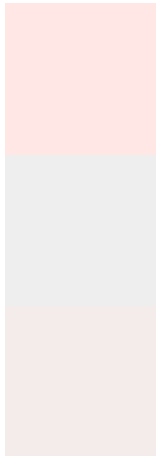
Deuteranomaly

84.1250, 0.3299, 0.3300

Tritanomaly

84.0856, 0.3241, 0.3202

Monochromacy



Original Color

84.0690, 0.3306, 0.3310

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.6479, 0.3188, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0690, 0.3306, 0.3310 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, 231, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 229)  
}
```

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, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 229) }
```

Border

The CSS property to change the border of an element to Yxy 84.0690, 0.3306, 0.3310 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, 231, 229) }
```

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

```
.border{ border-color:rgb(255, 231, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0690, 0.3306, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 229) }
```

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

```
.background{ background-color: rgb(255,  
231, 229) }
```

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