

# Converting Colors

$Yxy(69.8510, 0.3370, 0.3280)$

Have a look what the booklet for  
Yxy(69.8510, 0.3370, 0.3280)  
contains.

<b>Yxy(69.8510, 0.3370, 0.3280)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.8510, 0.3370, 0.3280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D2D3
RGB	243, 210, 211
RGB Percent	95%, 82%, 83%
CMY	0.0471, 0.1765, 0.1725
CMYK	0.00, 0.14, 0.13, 0.05
HSL	358°, 58%, 89%
HSV	358°, 14%, 95%
XYZ	71.7676, 69.8510, 71.3417
YIQ	219.9810, 19.3470, 7.3070

# Conversions

## Conversions Part 2

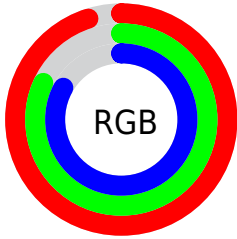
Format	Color
R <sub>Y</sub> B	243, 210, 211
Decimal	15979219
CIE Lab	86.92, 11.67, 3.74
CIE LCh	87, 12.252, 17.797
Yxy	69.8510, 0.3370, 0.3280
Android (android.graphics.Color)	4294169299 (0xFFFF3D2D3)
YUV	219.9810, -4.4276, 20.1877
Hunter-Lab	83.5769, 7.0187, 7.8936

# Details

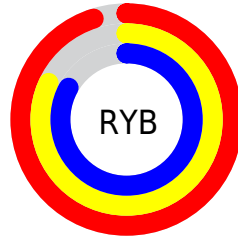
The Yxy color **69.8510, 0.3370, 0.3280** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.2113, 0.2926, 0.3300**, and the grayscale version is **71.5800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4418, 0.3430, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **57.6561, 0.3603, 0.3272**, and if you desaturate by 10%, it is **84.0470, 0.3184, 0.3287**.

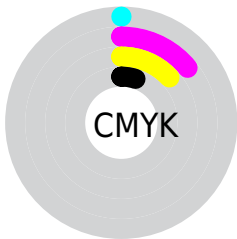
# Distribution



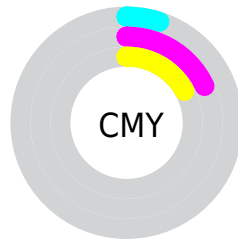
- Red (95%)
- Green (82%)
- Blue (83%)



- Red (95%)
- Yellow (82%)
- Blue (83%)



- Cyan (0%)
- Magenta (14%)
- Yellow (13%)
- Black (5%)




- Cyan (5%)
- Magenta (18%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8510, 0.3370, 0.3280 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 69.8510, 0.3370, 0.3280 by changing the saturation by 10% instead.




 69.8510, 0.3370,  
0.3280

 69.8510, 0.3370,  
0.3280


460.0267, 0.3256,  
0.3286

 51.4051, 0.3396,  
0.3278


118.9962, 0.3330,  
0.3282

 36.5311, 0.3429,  
0.3276


150.4644, 0.3315,  
0.3283

 24.8446, 0.3471,  
0.3274


187.0420, 0.3302,  
0.3284

 15.9613, 0.3526,  
0.3270

229.1135, 0.3290,  
0.3284

 9.4968, 0.3603,  
0.3264

277.0634, 0.3280,  
0.3285

 5.0666, 0.3715,  
0.3254

331.2759, 0.3271,

 2.2864, 0.3896,

0.3285

0.3234

392.1355, 0.3263,  
0.3285

0.7665, 0.4336,  
0.3242

0.0000, 0.0000,  
0.0000

69.8510, 0.3370,  
0.3280

69.8510, 0.3370,  
0.3280

57.6561, 0.3603,  
0.3272

84.0470, 0.3184,  
0.3287

47.3634, 0.3892,  
0.3265

97.7941, 0.3054,  
0.3290

38.8800, 0.4247,  
0.3258

32.1014, 0.4666,  
0.3253

■ 26.9122, 0.5133,  
0.3252

■ 23.1830, 0.5604,  
0.3256

■ 20.7641, 0.6011,  
0.3266

■ 19.4735, 0.6283,  
0.3281

■ 19.0705, 0.6378,  
0.3287

# Harmonies

## Analogous

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



69.8510, 0.3251, 0.3158



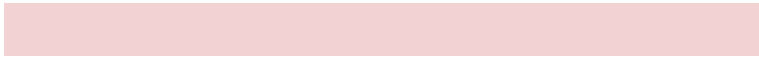
69.8510, 0.3370, 0.3280



69.8510, 0.3423, 0.3408

# Triad

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



69.8510, 0.3370, 0.3280



69.8510, 0.3148, 0.3524



69.8510, 0.2866, 0.3069

# Complementary

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



69.8510, 0.3370, 0.3280



84.2113, 0.2926, 0.3300

# 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.



69.8510, 0.2841, 0.3161



69.8510, 0.3370, 0.3280



69.8510, 0.3001, 0.3428

# Square

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



69.8510, 0.3370, 0.3280



69.8510, 0.3292, 0.3553



69.8510, 0.2889, 0.3293



69.8510, 0.2960, 0.3037



# Rectangle

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



69.8510, 0.3370, 0.3280



69.8510, 0.3412, 0.3480



69.8510, 0.2889, 0.3293



69.8510, 0.2849, 0.3094

# Sweetspot

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



69.8541, 0.3370, 0.3280



93.0434, 0.3191, 0.3287



71.4256, 0.3135, 0.2954



19.6440, 0.3204, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

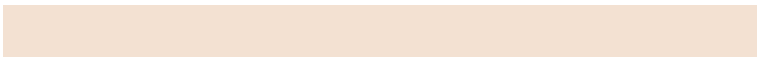
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8541, 0.3370, 0.3280



74.3843, 0.3423, 0.3278



77.7752, 0.3355, 0.3450



16.4908, 0.3289, 0.3283



10.4705, 0.6369, 0.3282



0.9231, 0.6287, 0.3237



# Inverse Universe

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



69.8541, 0.3370, 0.3280



74.3843, 0.3423, 0.3278



75.4406, 0.2915, 0.3124



16.4908, 0.3289, 0.3283



10.4705, 0.6369, 0.3282

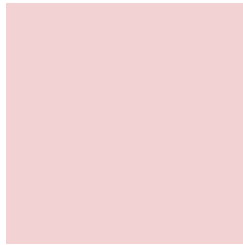


0.9231, 0.6287, 0.3237



# Previews

## White Background



This preview shows how the Yxy color 69.8510, 0.3370, 0.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

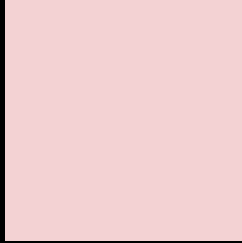
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8510, 0.3370, 0.3280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

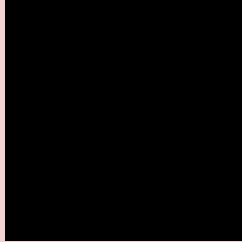
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.8510, 0.3370, 0.3280**

## Background



This preview shows how black text looks on a background with the Yxy color 69.8510, 0.3370, 0.3280.



This preview shows how white text looks on a background with the Yxy color 69.8510, 0.3370, 0.3280.

# 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

69.8510, 0.3370, 0.3280

### Protanopia

70.0616, 0.3177, 0.3312

### Deuteranopia

69.9925, 0.3353, 0.3291



## Tritanopia

69.9060, 0.3293, 0.3125

# Trichromacy



## Original Color

69.8510, 0.3370, 0.3280

## Protanomaly

69.7712, 0.3245, 0.3290

## Deuteranomaly

70.1689, 0.3361, 0.3291

## Tritanomaly

69.9485, 0.3321, 0.3186

# Monochromacy



## Original Color

69.8510, 0.3370, 0.3280

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.6155, 0.3208, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8510, 0.3370, 0.3280 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(243, 210, 211)` looks like.

```
.text, #text, p{  
    color:rgb(243, 210, 211)  
}
```

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(243, 210, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 210, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8510, 0.3370, 0.3280 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(243, 210, 211) }
```

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

```
.border{ border-color:rgb(243, 210, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 210, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 210, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 210, 211);  
box-shadow:4px 4px 4px 4px rgb(243, 210,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8510, 0.3370, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 210, 211) }
```

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

```
.background{ background-color: rgb(243,  
210, 211) }
```

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