

# Converting Colors

$Y_{xy}(100.0000, 0.3641, 0.3284)$

Have a look what the booklet for  
Yxy(100.0000, 0.3641, 0.3284)  
contains.

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# Color

**Yxy(87.3653, 0.3249, 0.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECED
RGB	255, 236, 237
RGB Percent	100%, 93%, 93%
CMY	0.0001, 0.0745, 0.0707
CMYK	0.00, 0.07, 0.07, 0.00
HSL	357°, 100%, 96%
HSV	357°, 7%, 100%
XYZ	86.5132, 87.3653, 92.3979
YIQ	241.7950, 11.0030, 4.3390

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 236, 237
Decimal	16772333
CIE Lab	94.89, 6.58, 1.85
CIE LCh	95, 6.831, 15.674
Yxy	87.3653, 0.3249, 0.3281
Android (android.graphics.Color)	4294962413 (0xFFFFEDED)
YUV	241.7950, -2.3639, 11.5808
Hunter-Lab	93.4694, 1.6442, 6.8183

# Details

The Yxy color **87.3653, 0.3249, 0.3281** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96.5041, 0.3017, 0.3299**, and the grayscale version is **88.6349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9845, 0.3276, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **72.3971, 0.3448, 0.3268**, and if you desaturate by 10%, it is **99.9973, 0.3127, 0.3290**.

# Distribution



Red (100%)

Green (93%)

Blue (93%)



Red (100%)

Yellow (93%)

Blue (93%)



Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3653, 0.3249, 0.3281 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 87.3653, 0.3249, 0.3281 by changing the saturation by 10% instead.




 87.3653, 0.3249,  
0.3281

 87.3653, 0.3249,  
0.3281


519.4225, 0.3194,  
0.3285

 65.7976, 0.3261,  
0.3280


143.6732, 0.3230,  
0.3283

 48.1081, 0.3276,  
0.3279


179.1821, 0.3223,  
0.3283

 33.9125, 0.3294,  
0.3277


220.1069, 0.3217,  
0.3284

 22.8264, 0.3318,  
0.3275

266.8320, 0.3211,  
0.3284

 14.4654, 0.3350,  
0.3272

319.7416, 0.3206,  
0.3284

 8.4450, 0.3394,  
0.3268

379.2204, 0.3202,

 4.3810, 0.3460,

0.3285

0.3261

445.6525, 0.3198,  
0.3285

■ 1.8889, 0.3569,  
0.3249

■ 0.5417, 0.4025,  
0.3228

■ 87.3653, 0.3249,  
0.3281

■ 87.3653, 0.3249,  
0.3281

■ 72.3971, 0.3448,  
0.3268

99.9973, 0.3127,  
0.3290

■ 59.6163, 0.3698,  
0.3255

■ 48.9241, 0.4006,  
0.3242

■ 40.2094, 0.4380,  
0.3231

■ 33.3509, 0.4814,  
0.3224

■ 28.2141, 0.5284,  
0.3224

■ 24.6462, 0.5739,  
0.3233

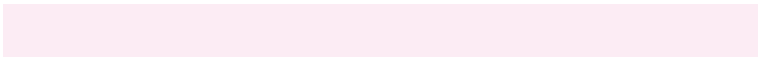
■ 22.4678, 0.6108,  
0.3252

■ 21.4460, 0.6330,  
0.3277

# Harmonies

## Analogous

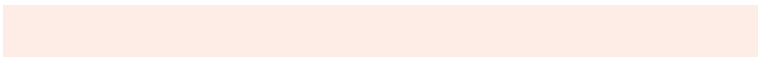
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3653, 0.3186, 0.3217



87.3653, 0.3249, 0.3281



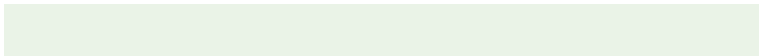
87.3653, 0.3279, 0.3348

# Triad

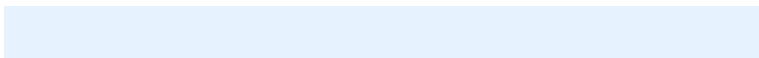
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3653, 0.3249, 0.3281



87.3653, 0.3144, 0.3412



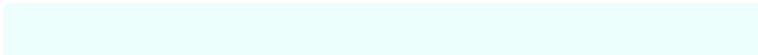
87.3653, 0.2989, 0.3178

# Complementary

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



87.3653, 0.3249, 0.3281



96.5041, 0.3017, 0.3299

# Split Complementary

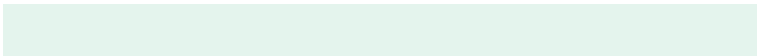
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3653, 0.2978, 0.3229



87.3653, 0.3249, 0.3281



87.3653, 0.3067, 0.3365

# Square

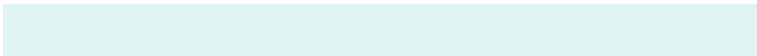
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3653, 0.3249, 0.3281



87.3653, 0.3218, 0.3425



87.3653, 0.3007, 0.3298

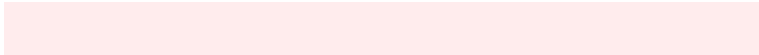


87.3653, 0.3036, 0.3158

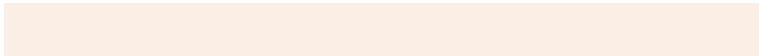


# Rectangle

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



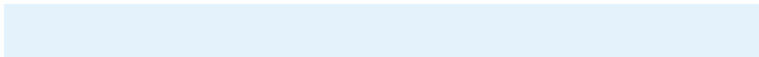
87.3653, 0.3249, 0.3281



87.3653, 0.3276, 0.3386



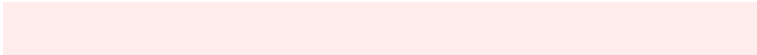
87.3653, 0.3007, 0.3298



87.3653, 0.2981, 0.3192

# Sweetspot

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



87.3691, 0.3249, 0.3281



96.4810, 0.3158, 0.3288



88.2366, 0.3127, 0.3107



20.6878, 0.3156, 0.3288



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

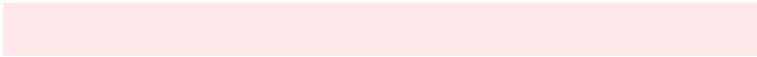


# Same Dimension

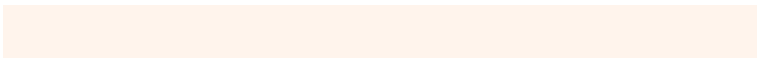
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3691, 0.3249, 0.3281



84.8962, 0.3277, 0.3279



92.1574, 0.3248, 0.3370



18.0019, 0.3287, 0.3278



11.1299, 0.6350, 0.3272



1.0886, 0.6232, 0.3207



# Inverse Universe

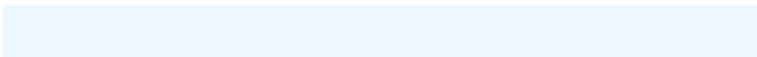
The Inverse Universe completely reimagines the original color for something new.



87.3691, 0.3249, 0.3281



84.8962, 0.3277, 0.3279



91.4323, 0.3012, 0.3208



18.0019, 0.3287, 0.3278



11.1299, 0.6350, 0.3272

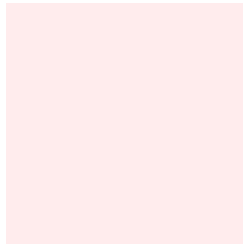


1.0886, 0.6232, 0.3207



# Previews

## White Background



This preview shows how the Yxy color 87.3653, 0.3249, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

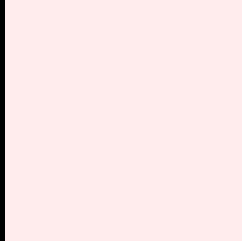
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.3653, 0.3249, 0.3281 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

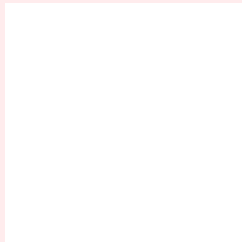
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.3653, 0.3249, 0.3281**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.3653, 0.3249, 0.3281.

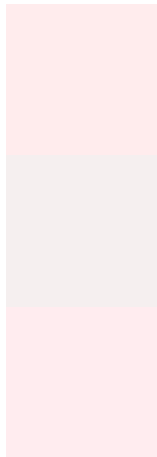


This preview shows how white text looks on a background with the Yxy color 87.3653, 0.3249, 0.3281.

# 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

87.3653, 0.3249, 0.3281

### Protanopia

87.3775, 0.3167, 0.3290

### Deuteranopia

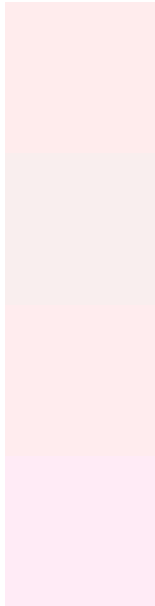
87.4829, 0.3236, 0.3261



## Tritanopia

87.6417, 0.3161, 0.3135

# Trichromacy



## Original Color

87.3653, 0.3249, 0.3281

## Protanomaly

87.4619, 0.3200, 0.3290

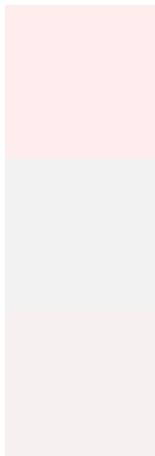
## Deuteranomaly

87.4240, 0.3243, 0.3271

## Tritanomaly

87.3305, 0.3192, 0.3183

# Monochromacy



## Original Color

87.3653, 0.3249, 0.3281

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.3856, 0.3173, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.3653, 0.3249, 0.3281 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, 236, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 237)  
}
```

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, 236, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 87.3653, 0.3249, 0.3281 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, 236, 237) }
```

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

```
.border{ border-color:rgb(255, 236, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.3653, 0.3249, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 237) }
```

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

```
.background{ background-color: rgb(255,  
236, 237) }
```

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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