

# Converting Colors

$Y_{xy}(90.2409, 0.3480, 0.3281)$

Have a look what the booklet for  
Yxy(90.2409, 0.3480, 0.3281)  
contains.

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# Color

**Yxy(84.2380, 0.3286, 0.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7E8
RGB	255, 231, 232
RGB Percent	100%, 91%, 91%
CMY	0.0002, 0.0940, 0.0903
CMYK	0.00, 0.09, 0.09, 0.00
HSL	358°, 100%, 95%
HSV	358°, 9%, 100%
XYZ	84.3664, 84.2380, 88.1405
YIQ	238.2900, 13.9830, 5.3990

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 231, 232
Decimal	16771048
CIE Lab	93.55, 8.31, 2.49
CIE LCh	94, 8.673, 16.687
Yxy	84.2380, 0.3286, 0.3281
Android (android.graphics.Color)	4294961128 (0xFFFFE7E8)
YUV	238.2900, -3.1010, 14.6547
Hunter-Lab	91.7813, 3.4620, 7.3088

# Details

The Yxy color **84.2380, 0.3286, 0.3281** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.6401, 0.2987, 0.3299**, and the grayscale version is **85.7506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8003, 0.3325, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **69.6969, 0.3497, 0.3271**, and if you desaturate by 10%, it is **99.9915, 0.3127, 0.3290**.

# Distribution



Red (100%)

Green (91%)

Blue (91%)



Red (100%)

Yellow (91%)

Blue (91%)



Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2380, 0.3286, 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 84.2380, 0.3286, 0.3281 by changing the saturation by 10% instead.



 84.2380, 0.3286,  
0.3281

 84.2380, 0.3286,  
0.3281


509.1032, 0.3214,  
0.3286

 63.2120, 0.3302,  
0.3280


139.3081, 0.3261,  
0.3283

 46.0127, 0.3322,  
0.3279


174.1208, 0.3252,  
0.3283

 32.2558, 0.3346,  
0.3277


214.2980, 0.3243,  
0.3284

 21.5570, 0.3378,  
0.3274

260.2240, 0.3236,  
0.3284

 13.5317, 0.3421,  
0.3271

312.2830, 0.3230,  
0.3285

 7.7957, 0.3480,  
0.3266

370.8597, 0.3224,

 3.9645, 0.3571,

0.3285

0.3257

436.3383, 0.3219,  
0.3285

■ 1.6537, 0.3723,  
0.3241

■ 0.3934, 0.4710,  
0.3213

■ 84.2380, 0.3286,  
0.3281

■ 84.2380, 0.3286,  
0.3281

■ 69.6969, 0.3497,  
0.3271

99.9915, 0.3127,  
0.3290

■ 57.3272, 0.3760,  
0.3261

■ 47.0280, 0.4084,  
0.3251

■ 38.6862, 0.4475,  
0.3243

■ 32.1780, 0.4923,  
0.3238

■ 27.3652, 0.5399,  
0.3240

■ 24.0904, 0.5842,  
0.3250

■ 22.1665, 0.6181,  
0.3267

■ 21.3113, 0.6365,  
0.3284

# Harmonies

## Analogous

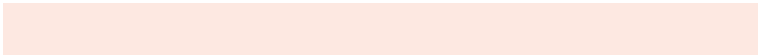
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2380, 0.3206, 0.3199



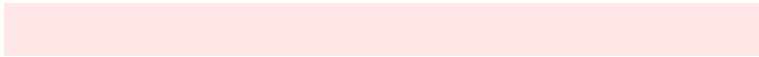
84.2380, 0.3286, 0.3281



84.2380, 0.3323, 0.3367

# Triad

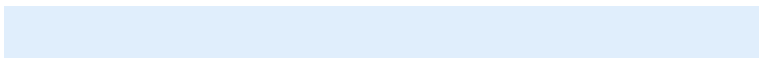
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2380, 0.3286, 0.3281



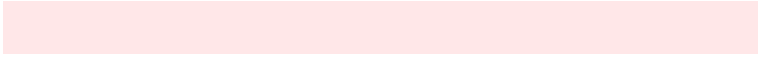
84.2380, 0.3146, 0.3446



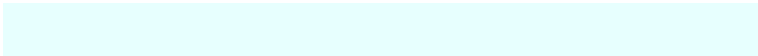
84.2380, 0.2951, 0.3145

# Complementary

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



84.2380, 0.3286, 0.3281



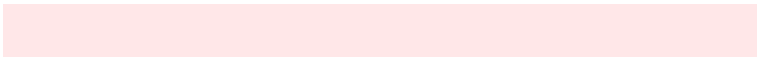
95.6401, 0.2987, 0.3299

# 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.



84.2380, 0.2936, 0.3209



84.2380, 0.3286, 0.3281



84.2380, 0.3047, 0.3384

# Square

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



84.2380, 0.3286, 0.3281



84.2380, 0.3241, 0.3464



84.2380, 0.2971, 0.3296



84.2380, 0.3013, 0.3121

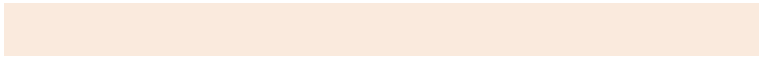


# Rectangle

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



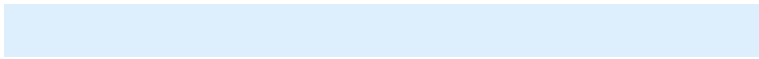
84.2380, 0.3286, 0.3281



84.2380, 0.3317, 0.3415



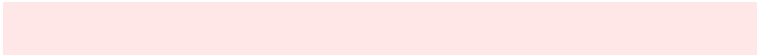
84.2380, 0.2971, 0.3296



84.2380, 0.2941, 0.3162

# Sweetspot

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



84.2417, 0.3286, 0.3281



94.7517, 0.3174, 0.3287



85.4076, 0.3130, 0.3058



19.9882, 0.3187, 0.3286



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.



84.2417, 0.3286, 0.3281



81.7762, 0.3317, 0.3279



90.4035, 0.3281, 0.3396



17.9988, 0.3288, 0.3281



11.1255, 0.6360, 0.3278



1.0872, 0.6266, 0.3225



# Inverse Universe

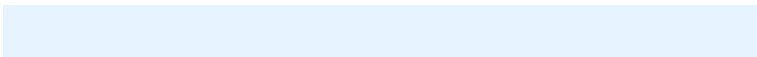
The Inverse Universe completely reimagines the original color for something new.



84.2417, 0.3286, 0.3281



81.7762, 0.3317, 0.3279



89.0234, 0.2981, 0.3182



17.9988, 0.3288, 0.3281



11.1255, 0.6360, 0.3278

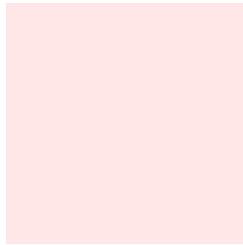


1.0872, 0.6266, 0.3225



# Previews

## White Background



This preview shows how the Yxy color 84.2380, 0.3286, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

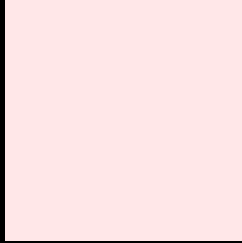
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2380, 0.3286, 0.3281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

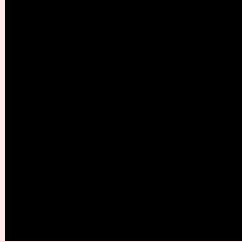
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

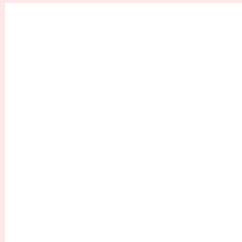
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.2380, 0.3286, 0.3281**

## Background



This preview shows how black text looks on a background with the Yxy color 84.2380, 0.3286, 0.3281.

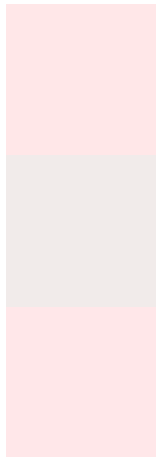


This preview shows how white text looks on a background with the Yxy color 84.2380, 0.3286, 0.3281.

# 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

84.2380, 0.3286, 0.3281

### Protanopia

84.0579, 0.3174, 0.3300

### Deuteranopia

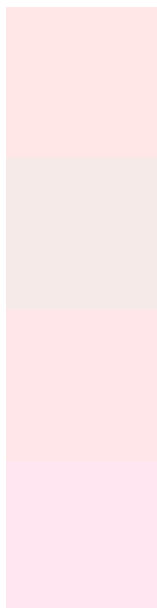
84.2950, 0.3280, 0.3271



## Tritanopia

84.5074, 0.3196, 0.3134

# Trichromacy



## Original Color

84.2380, 0.3286, 0.3281

## Protanomaly

84.3217, 0.3215, 0.3300

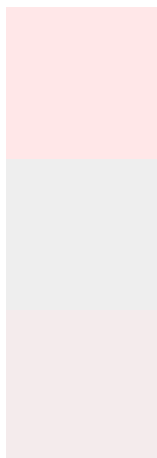
## Deuteranomaly

84.2950, 0.3280, 0.3271

## Tritanomaly

84.2045, 0.3228, 0.3182

# Monochromacy



## Original Color

84.2380, 0.3286, 0.3281

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.7059, 0.3181, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2380, 0.3286, 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, 231, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2380, 0.3286, 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, 231, 232) }
```

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

```
.border{ border-color:rgb(255, 231, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2380, 0.3286, 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, 231, 232) }
```

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

```
.background{ background-color: rgb(255,  
231, 232) }
```

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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