

# Converting Colors

$Y_{xy}(100.0000, 0.3753, 0.3354)$

Have a look what the booklet for  
Yxy(100.0000, 0.3753, 0.3354)  
contains.

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# Color

**Yxy(86.2227, 0.3315, 0.3370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBE3
RGB	255, 235, 227
RGB Percent	100%, 92%, 89%
CMY	0.0000, 0.0784, 0.1100
CMYK	0.00, 0.08, 0.11, 0.00
HSL	17°, 100%, 95%
HSV	17°, 11%, 100%
XYZ	84.8155, 86.2227, 84.8155
YIQ	240.0680, 14.4880, 1.7520

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 238, 227
Decimal	16772067
CIE Lab	94.41, 5.48, 6.34
CIE LCh	94, 8.377, 49.149
Yxy	86.2227, 0.3315, 0.3370
Android (android.graphics.Color)	4294962147 (0xFFFFE3E3)
YUV	240.0680, -6.4425, 13.0954
Hunter-Lab	92.8562, 0.5449, 10.8434

# Details

The Yxy color **86.2227, 0.3315, 0.3370** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.0405, 0.2956, 0.3209**, and the grayscale version is **87.2329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2245, 0.3353, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **75.0294, 0.3520, 0.3448**, and if you desaturate by 10%, it is **98.6873, 0.3143, 0.3297**.

# Distribution



Red (100%)

Green (92%)

Blue (89%)



Red (100%)

Yellow (93%)

Blue (89%)



Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2227, 0.3315, 0.3370 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 86.2227, 0.3315, 0.3370 by changing the saturation by 10% instead.



 86.2227, 0.3315,  
0.3370

 86.2227, 0.3315,  
0.3370


515.6652, 0.3230,  
0.3335

 64.8521, 0.3334,  
0.3378


142.0802, 0.3286,  
0.3358

 47.3412, 0.3357,  
0.3387


177.3360, 0.3275,  
0.3353

 33.3055, 0.3386,  
0.3398


217.9889, 0.3265,  
0.3349

 22.3606, 0.3423,  
0.3413

264.4234, 0.3256,  
0.3346

 14.1221, 0.3472,  
0.3432

317.0239, 0.3249,  
0.3342

 8.2056, 0.3542,  
0.3458

376.1748, 0.3242,

 4.2268, 0.3646,

0.3340

0.3495

442.2604, 0.3236,  
0.3337

■ 1.8012, 0.3818,  
0.3553

■ 0.4879, 0.5091,  
0.4157

■ 86.2227, 0.3315,  
0.3370

■ 86.2227, 0.3315,  
0.3370

■ 75.0294, 0.3520,  
0.3448

■ 98.6873, 0.3143,  
0.3297

■ 65.0692, 0.3763,  
0.3528

100.0000, 0.3127,  
0.3290

■ 56.2982, 0.4049,  
0.3607

■ 48.6704, 0.4377,  
0.3679

■ 42.1371, 0.4740,  
0.3733

■ 36.6455, 0.5121,  
0.3759

■ 32.1382, 0.5490,  
0.3745

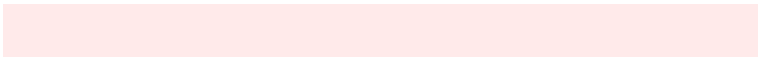
■ 28.5515, 0.5807,  
0.3684

■ 26.0427, 0.6026,  
0.3597

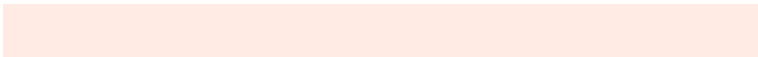
# Harmonies

## Analogous

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



86.2227, 0.3284, 0.3288



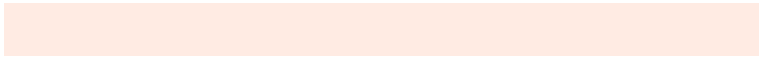
86.2227, 0.3315, 0.3370



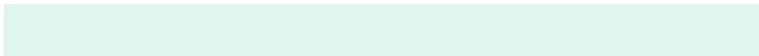
86.2227, 0.3295, 0.3432

# Triad

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



86.2227, 0.3315, 0.3370



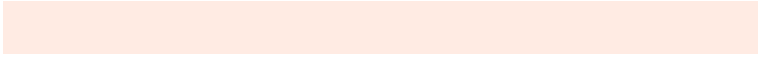
86.2227, 0.3043, 0.3374



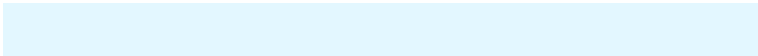
86.2227, 0.3024, 0.3128

# Complementary

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



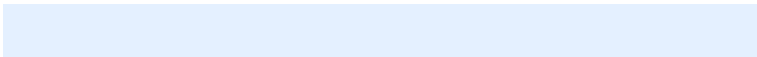
86.2227, 0.3315, 0.3370



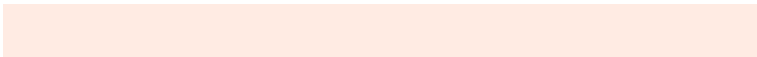
90.0405, 0.2956, 0.3209

# 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.



86.2227, 0.2962, 0.3147



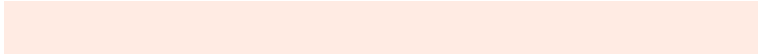
86.2227, 0.3315, 0.3370



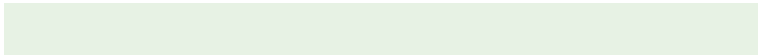
86.2227, 0.2973, 0.3289

# Square

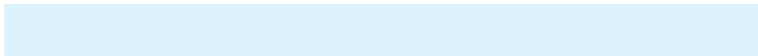
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2227, 0.3315, 0.3370



86.2227, 0.3137, 0.3436



86.2227, 0.2943, 0.3206

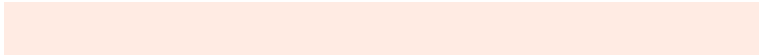


86.2227, 0.3115, 0.3150



# Rectangle

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



86.2227, 0.3315, 0.3370



86.2227, 0.3255, 0.3454



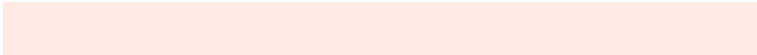
86.2227, 0.2943, 0.3206



86.2227, 0.2999, 0.3129

# Sweetspot

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



86.2217, 0.3315, 0.3370



96.0852, 0.3175, 0.3311



82.8953, 0.3191, 0.3094



20.3465, 0.3188, 0.3317



0.0000, 0.0000, 0.0000

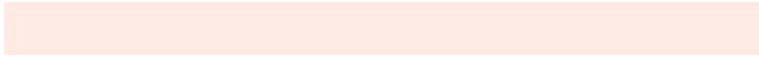


21.4041, 0.3127, 0.3290

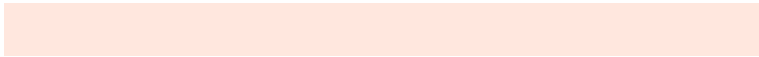


# Same Dimension

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



86.2217, 0.3315, 0.3370



83.8780, 0.3353, 0.3385



94.5087, 0.3299, 0.3505



18.8354, 0.3287, 0.3359



13.8270, 0.5997, 0.3620

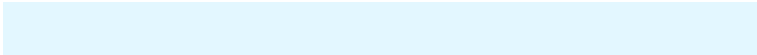


1.5235, 0.5777, 0.3795

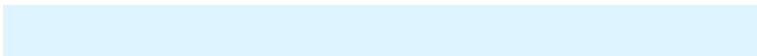


# Inverse Universe

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



90.0405, 0.2956, 0.3209



88.3292, 0.2925, 0.3193



81.8424, 0.2954, 0.3066



19.5494, 0.2980, 0.3220



21.4938, 0.1980, 0.2326

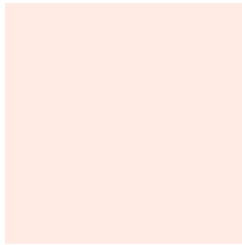


2.2799, 0.2014, 0.2449



# Previews

## White Background



This preview shows how the Yxy color 86.2227, 0.3315, 0.3370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

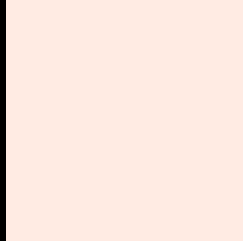
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.2227, 0.3315, 0.3370 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

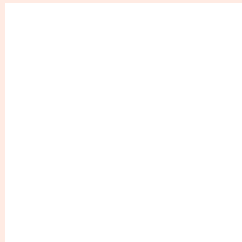
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.2227, 0.3315, 0.3370**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.2227, 0.3315, 0.3370.

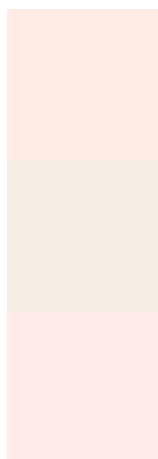


This preview shows how white text looks on a background with the Yxy color 86.2227, 0.3315, 0.3370.

# 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

86.2227, 0.3315, 0.3370

### Protanopia

86.3990, 0.3237, 0.3381

### Deuteranopia

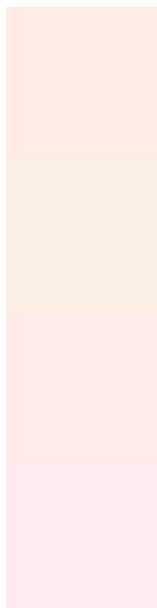
85.9888, 0.3277, 0.3300



## Tritanopia

86.3151, 0.3181, 0.3144

# Trichromacy



## Original Color

86.2227, 0.3315, 0.3370

## Protanomaly

86.3095, 0.3265, 0.3380

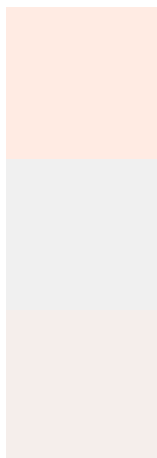
## Deuteranomaly

85.8752, 0.3290, 0.3320

## Tritanomaly

86.3969, 0.3231, 0.3232

# Monochromacy



## Original Color

86.2227, 0.3315, 0.3370

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.5597, 0.3192, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.2227, 0.3315, 0.3370 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, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 227)  
}
```

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, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 86.2227, 0.3315, 0.3370 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, 235, 227) }
```

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

```
.border{ border-color:rgb(255, 235, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 235, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.2227, 0.3315, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 227) }
```

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

```
.background{ background-color: rgb(255,  
235, 227) }
```

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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