

# Converting Colors

$Y_{xy}(86.6290, 0.3269, 0.3300)$

Have a look what the booklet for  
Yxy(86.6290, 0.3269, 0.3300)  
contains.

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# Color

**Yxy(86.6172, 0.3269, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBEA
RGB	255, 235, 234
RGB Percent	100%, 92%, 92%
CMY	0.0000, 0.0784, 0.0823
CMYK	0.00, 0.08, 0.08, 0.00
HSL	3°, 100%, 96%
HSV	3°, 8%, 100%
XYZ	85.8035, 86.6172, 90.0556
YIQ	240.8660, 12.2410, 3.9290

# Conversions

## Conversions Part 2

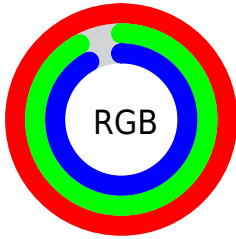
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 235, 234
Decimal	16772074
CIE Lab	94.58, 6.62, 2.91
CIE LCh	95, 7.229, 23.754
Yxy	86.6172, 0.3269, 0.3300
Android (android.graphics.Color)	4294962154 (0xFFFFEBEA)
YUV	240.8660, -3.3849, 12.3955
Hunter-Lab	93.0684, 1.6968, 7.7771

# Details

The Yxy color **86.6172, 0.3269, 0.3300** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.6144, 0.3000, 0.3280**, and the grayscale version is **87.8746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4603, 0.3302, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **72.2750, 0.3480, 0.3313**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

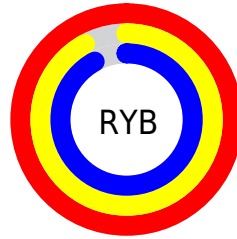
# Distribution



Red (100%)

Green (92%)

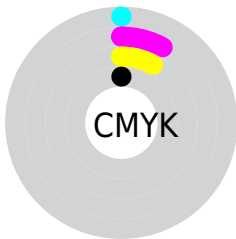
Blue (92%)



Red (100%)

Yellow (92%)

Blue (92%)

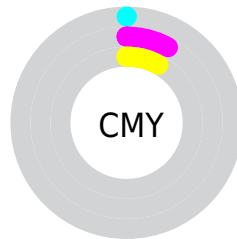


Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6172, 0.3269, 0.3300 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 86.6172, 0.3269, 0.3300 by changing the saturation by 10% instead.



 86.6172, 0.3269,  
0.3300

 86.6172, 0.3269,  
0.3300


516.9642, 0.3205,  
0.3296

 65.1785, 0.3283,  
0.3301


142.6305, 0.3247,  
0.3299

 47.6058, 0.3301,  
0.3302


177.9738, 0.3239,  
0.3298

 33.5148, 0.3322,  
0.3303


218.7207, 0.3231,  
0.3298

 22.5211, 0.3350,  
0.3304

265.2558, 0.3225,  
0.3297

 14.2403, 0.3387,  
0.3306

317.9632, 0.3219,  
0.3297

 8.2880, 0.3439,  
0.3308

377.2275, 0.3214,

 4.2798, 0.3517,

0.3297

0.3310

443.4330, 0.3209,  
0.3296

■ 1.8313, 0.3647,  
0.3312

■ 0.5065, 0.4294,  
0.3383

■ 86.6172, 0.3269,  
0.3300

■ 86.6172, 0.3269,  
0.3300

■ 72.2750, 0.3480,  
0.3313

100.0000, 0.3127,  
0.3290

■ 59.9578, 0.3741,  
0.3327

■ 49.5769, 0.4063,  
0.3341

■ 41.0338, 0.4450,  
0.3353

■ 34.2214, 0.4894,  
0.3362

■ 29.0215, 0.5367,  
0.3364

■ 25.3011, 0.5814,  
0.3357

■ 22.9061, 0.6161,  
0.3340

■ 21.6464, 0.6356,  
0.3319

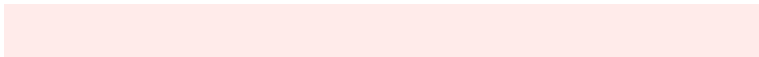
# Harmonies

## Analogous

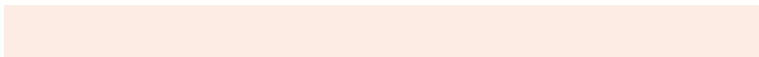
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6172, 0.3210, 0.3229



86.6172, 0.3269, 0.3300



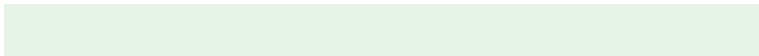
86.6172, 0.3289, 0.3369

# Triad

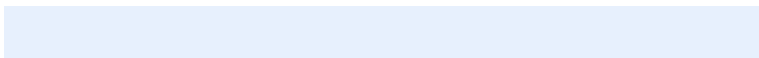
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6172, 0.3269, 0.3300



86.6172, 0.3123, 0.3409



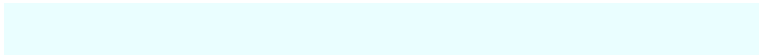
86.6172, 0.2991, 0.3162

# Complementary

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



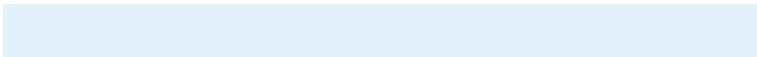
86.6172, 0.3269, 0.3300



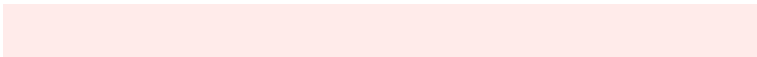
95.6144, 0.3000, 0.3280

# Split Complementary

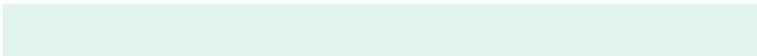
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6172, 0.2968, 0.3208



86.6172, 0.3269, 0.3300



86.6172, 0.3044, 0.3352

# Square

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



86.6172, 0.3269, 0.3300



86.6172, 0.3204, 0.3433



86.6172, 0.2987, 0.3278

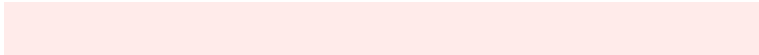


86.6172, 0.3050, 0.3150

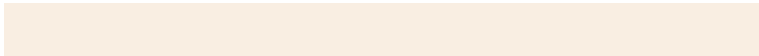


# Rectangle

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



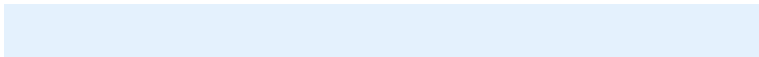
86.6172, 0.3269, 0.3300



86.6172, 0.3278, 0.3405



86.6172, 0.2987, 0.3278



86.6172, 0.2979, 0.3174

# Sweetspot

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



86.6199, 0.3269, 0.3300



96.6127, 0.3159, 0.3292



87.2947, 0.3141, 0.3094



20.7146, 0.3158, 0.3292



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

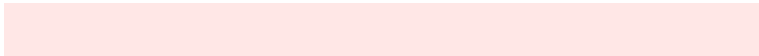


# Same Dimension

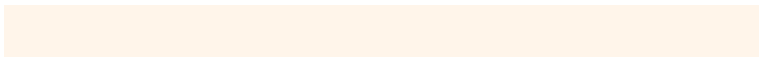
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6199, 0.3269, 0.3300



83.9228, 0.3303, 0.3302



92.6348, 0.3259, 0.3399



18.1227, 0.3293, 0.3302



11.3023, 0.6368, 0.3325

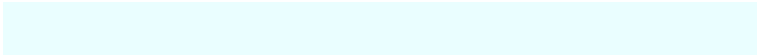


1.1461, 0.6293, 0.3385



# Inverse Universe

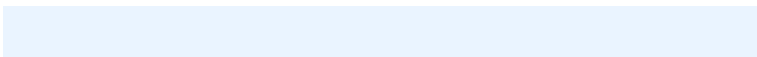
The Inverse Universe completely reimagines the original color for something new.



95.6144, 0.3000, 0.3280



94.7244, 0.2973, 0.3278



89.3055, 0.3000, 0.3178



20.3277, 0.2980, 0.3278



37.3661, 0.2207, 0.3144

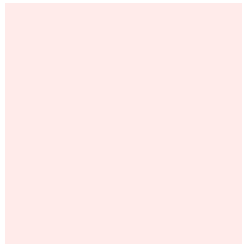


3.6812, 0.2212, 0.3161



# Previews

## White Background



This preview shows how the Yxy color 86.6172, 0.3269, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

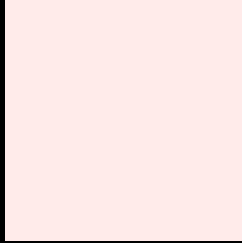
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6172, 0.3269, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

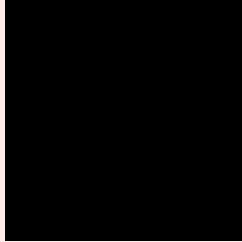
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

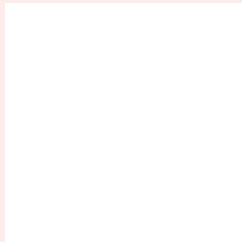
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.6172, 0.3269, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6172, 0.3269, 0.3300.

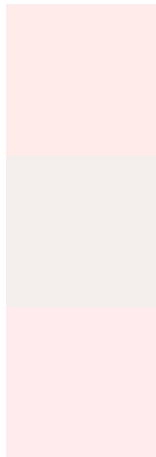


This preview shows how white text looks on a background with the Yxy color 86.6172, 0.3269, 0.3300.

# 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

86.6172, 0.3269, 0.3300

### Protanopia

86.4383, 0.3179, 0.3310

### Deuteranopia

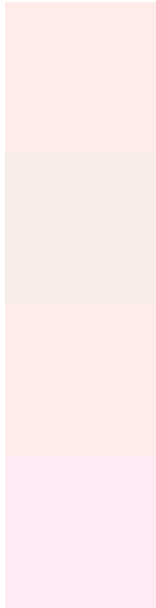
86.7911, 0.3250, 0.3271



## Tritanopia

86.3774, 0.3175, 0.3135

# Trichromacy



## Original Color

86.6172, 0.3269, 0.3300

## Protanomaly

86.5230, 0.3213, 0.3310

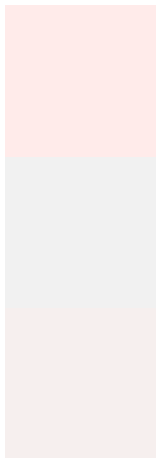
## Deuteranomaly

86.7328, 0.3256, 0.3281

## Tritanomaly

86.6373, 0.3206, 0.3193

# Monochromacy



## Original Color

86.6172, 0.3269, 0.3300

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.4989, 0.3180, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.6172, 0.3269, 0.3300 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6172, 0.3269, 0.3300 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, 234) }
```

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

```
.border{ border-color:rgb(255, 235, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6172, 0.3269, 0.3300 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
235, 234) }
```

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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