

# Converting Colors

$Y_{xy}(77.4035, 0.3384, 0.3291)$

Have a look what the booklet for  
Yxy(77.4035, 0.3384, 0.3291)  
contains.

<b>Yxy(77.6137, 0.3381, 0.3291)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(77.6137, 0.3381, 0.3291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCDC
RGB	255, 220, 220
RGB Percent	100%, 86%, 86%
CMY	0.0002, 0.1372, 0.1373
CMYK	0.00, 0.14, 0.14, 0.00
HSL	0°, 100%, 93%
HSV	0°, 14%, 100%
XYZ	79.7362, 77.6137, 78.4863
YIQ	230.4650, 20.8600, 7.4200

# Conversions

## Conversions Part 2

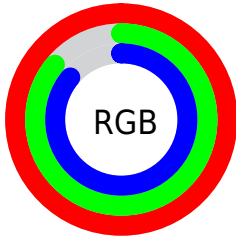
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 220, 220
Decimal	16768220
CIE Lab	90.60, 12.07, 4.47
CIE LCh	91, 12.871, 20.339
Yxy	77.6137, 0.3381, 0.3291
Android (android.graphics.Color)	4294958300 (0xFFFFDCDC)
YUV	230.4650, -5.1592, 21.5172
Hunter-Lab	88.0986, 7.3840, 8.8481

# Details

The Yxy color  $77.6137, 0.3381, 0.3291$  is a light color, and the websafe version is hex  $\text{FFCCCC}$ . A complement of this color would be  $93.9000, 0.2917, 0.3289$ , and the grayscale version is  $79.5188, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.6326, 0.3441, 0.3291$  is the 20% darker color. If you saturate the color by 10%, you get  $63.9972, 0.3623, 0.3292$ , and if you desaturate by 10%, it is  $93.4806, 0.3188, 0.3290$ .

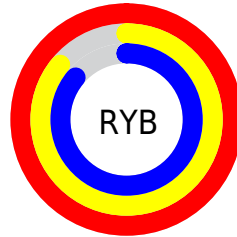
# Distribution



Red (100%)

Green (86%)

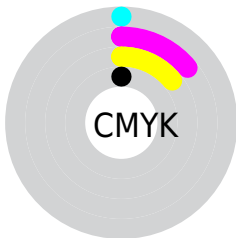
Blue (86%)



Red (100%)

Yellow (86%)

Blue (86%)

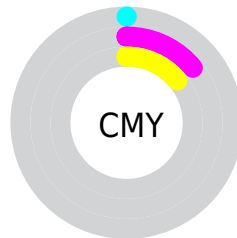


Cyan (0%)

Magenta (14%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6137, 0.3381, 0.3291 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 77.6137, 0.3381, 0.3291 by changing the saturation by 10% instead.




 77.6137, 0.3381,  
0.3291

 77.6137, 0.3381,  
0.3291

486.8539, 0.3264,  
0.3292

 57.7567, 0.3408,  
0.3291


130.0054, 0.3341,  
0.3291

 41.6131, 0.3440,  
0.3290


163.3089, 0.3325,  
0.3292

 28.7984, 0.3482,  
0.3289

201.8634, 0.3311,  
0.3292

 18.9284, 0.3535,  
0.3287


246.0532, 0.3299,  
0.3292

 11.6186, 0.3609,  
0.3285

296.2628, 0.3289,  
0.3292

 6.4845, 0.3713,  
0.3280

352.8765, 0.3280,

 3.1419, 0.3876,

0.3292

0.3269

416.2787, 0.3272,  
0.3292

■ 1.2062, 0.4162,  
0.3243

■ 0.0668, 0.8428,  
0.1572

■ 77.6137, 0.3381,  
0.3291

■ 77.6137, 0.3381,  
0.3291

■ 63.9972, 0.3623,  
0.3292

■ 93.4806, 0.3188,  
0.3290

■ 52.5195, 0.3924,  
0.3293

99.9898, 0.3127,  
0.3290

■ 43.0751, 0.4293,  
0.3294

■ 35.5455, 0.4727,  
0.3296

■ 29.7999, 0.5207,  
0.3297

■ 25.6912, 0.5682,  
0.3299

■ 23.0488, 0.6077,  
0.3300

■ 21.6648, 0.6321,  
0.3300

■ 21.2542, 0.6400,  
0.3300

# Harmonies

## Analogous

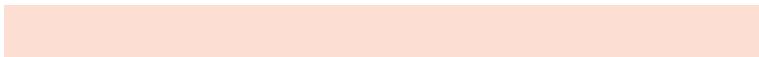
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6137, 0.3265, 0.3165



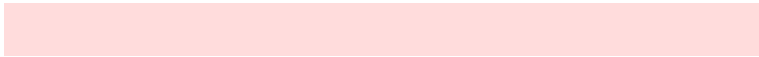
77.6137, 0.3381, 0.3291



77.6137, 0.3428, 0.3419

# Triad

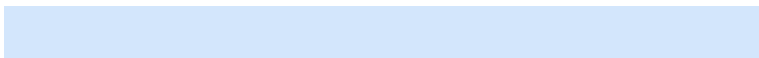
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6137, 0.3381, 0.3291



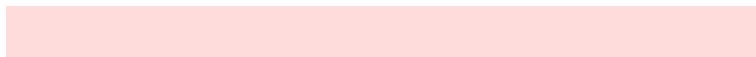
77.6137, 0.3135, 0.3522



77.6137, 0.2868, 0.3061

# Complementary

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



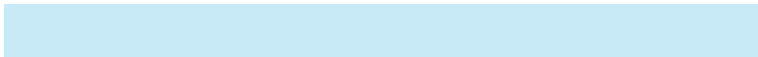
77.6137, 0.3381, 0.3291



93.9000, 0.2917, 0.3289

# Split Complementary

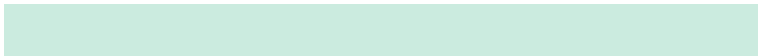
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6137, 0.2836, 0.3150



77.6137, 0.3381, 0.3291



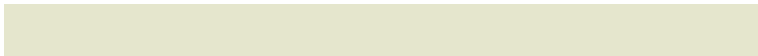
77.6137, 0.2988, 0.3419

# Square

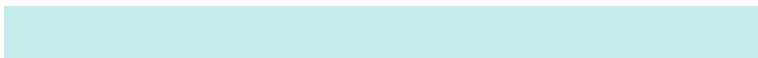
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6137, 0.3381, 0.3291



77.6137, 0.3283, 0.3557



77.6137, 0.2879, 0.3281



77.6137, 0.2969, 0.3034

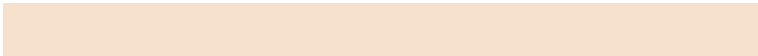


# Rectangle

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



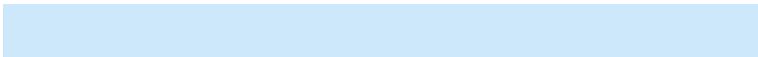
77.6137, 0.3381, 0.3291



77.6137, 0.3412, 0.3491



77.6137, 0.2879, 0.3281



77.6137, 0.2849, 0.3084

# Sweetspot

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



77.6172, 0.3381, 0.3291



93.0291, 0.3193, 0.3290



79.6519, 0.3143, 0.2950



19.6404, 0.3206, 0.3290



0.0000, 0.0000, 0.0000

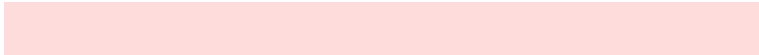


21.4041, 0.3127, 0.3290



# Same Dimension

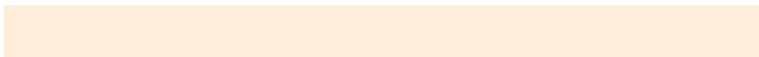
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6172, 0.3381, 0.3291



74.3361, 0.3432, 0.3291



87.2593, 0.3357, 0.3464



17.9894, 0.3295, 0.3291



11.1121, 0.6400, 0.3300



1.0827, 0.6399, 0.3301



# Inverse Universe

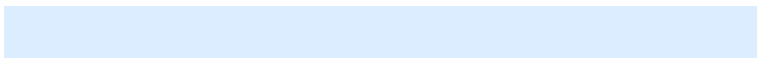
The Inverse Universe completely reimagines the original color for something new.



93.9000, 0.2917, 0.3289



93.0455, 0.2884, 0.3289



83.2742, 0.2912, 0.3110



20.4789, 0.2980, 0.3289



41.0769, 0.2246, 0.3285

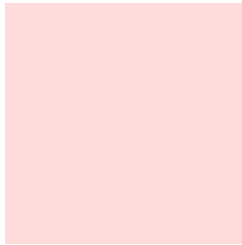


4.0003, 0.2246, 0.3285



# Previews

## White Background



This preview shows how the Yxy color 77.6137, 0.3381, 0.3291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

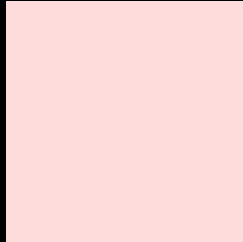
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6137, 0.3381, 0.3291 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

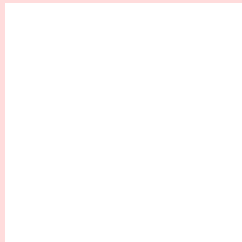
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6137, 0.3381, 0.3291**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6137, 0.3381, 0.3291.

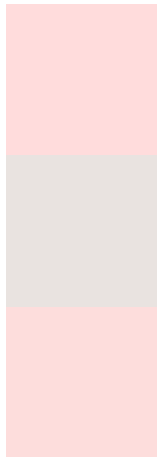


This preview shows how white text looks on a background with the Yxy color 77.6137, 0.3381, 0.3291.

# 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

77.6137, 0.3381, 0.3291

### Protanopia

77.6436, 0.3188, 0.3322

### Deuteranopia

77.7629, 0.3365, 0.3301



## Tritanopia

77.8635, 0.3285, 0.3141

# Trichromacy



## Original Color

77.6137, 0.3381, 0.3291

## Protanomaly

77.3398, 0.3254, 0.3301

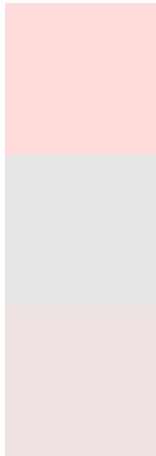
## Deuteranomaly

77.9510, 0.3373, 0.3301

## Tritanomaly

77.5802, 0.3320, 0.3191

# Monochromacy



## Original Color

77.6137, 0.3381, 0.3291

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.2344, 0.3218, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6137, 0.3381, 0.3291 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, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 220)  
}
```

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, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6137, 0.3381, 0.3291 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, 220, 220) }
```

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

```
.border{ border-color:rgb(255, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6137, 0.3381, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 220) }
```

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

```
.background{ background-color: rgb(255,  
220, 220) }
```

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