

# Converting Colors

Yxy(76.2242, 0.3471, 0.3401)

Have a look what the booklet for  
Yxy(76.2242, 0.3471, 0.3401)  
contains.

**Yxy(76.4771, 0.3468, 0.3403) ..... 3**

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 12

***Previews*** ..... 24

***Color Blindness Simulation*** ..... 27

***CSS Examples*** ..... 30

# Color

**Yxy(76.4771, 0.3468, 0.3403)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFDBD0
RGB	255, 219, 208
RGB Percent	100%, 86%, 82%
CMY	0.0002, 0.1411, 0.1844
CMYK	0.00, 0.14, 0.18, 0.00
HSL	14°, 100%, 91%
HSV	14°, 18%, 100%
XYZ	77.9379, 76.4771, 70.3194
YIQ	228.5100, 24.9870, 4.2110

# Conversions

## Conversions Part 2

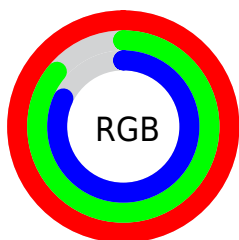
Format	Color
<a href="#">RYB</a>	<a href="#">255, 222, 208</a>
Decimal	<a href="#">16767952</a>
CIELab	<a href="#">90.08, 10.75, 10.02</a>
CIELCh	<a href="#">90, 14.697, 42.988</a>
Yxy	<a href="#">76.4771, 0.3468, 0.3403</a>
Android (android.graphics.Color)	<a href="#">4294958032</a> (0xFFFFDBD0)
YUV	<a href="#">228.5100, -10.1114, 23.2317</a>
Hunter-Lab	<a href="#">87.4512, 6.0424, 13.5408</a>

# Details

The Yxy color 76.4771, 0.3468, 0.3403 is a light color, and the websafe version is hex FFCCCC. A complement of this color would be 85.2616, 0.2843, 0.3174, and the grayscale version is 78.0352, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 40.8898, 0.3547, 0.3421 is the 20% darker color. If you saturate the color by 10%, you get 65.7386, 0.3707, 0.3469, and if you desaturate by 10%, it is 88.6158, 0.3269, 0.3340.

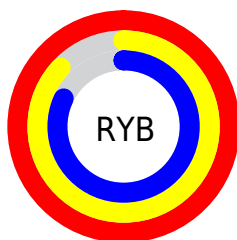
# Distribution



Red (100%)

Green (86%)

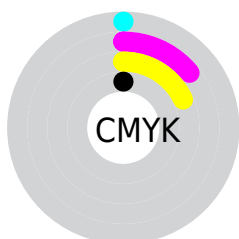
Blue (82%)



Red (100%)

Yellow (87%)

Blue (82%)

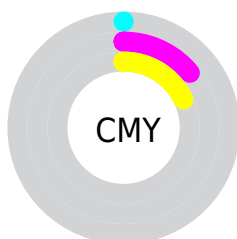


Cyan (0%)

Magenta (14%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4771, 0.3468, 0.3403 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 76.4771, 0.3468, 0.3403 by changing the saturation by 10% instead.




 76.4771, 0.3468,  
0.3403

 76.4771, 0.3468,  
0.3403


482.9793, 0.3310,  
0.3353

 56.8238, 0.3504,  
0.3414


128.4011, 0.3413,  
0.3386

 40.8638, 0.3548,  
0.3427


161.4406, 0.3392,  
0.3380

 28.2127, 0.3604,  
0.3442


199.7109, 0.3374,  
0.3374

 18.4860, 0.3678,  
0.3462

243.5965, 0.3358,  
0.3369

 11.2995, 0.3777,  
0.3488

293.4818, 0.3344,  
0.3364

 6.2687, 0.3920,  
0.3521


349.7511, 0.3331,


 3.0091, 0.4142,

0.3360

0.3566

412.7888, 0.3320,  
0.3357


 1.1365, 0.4625,  
0.3700


 0.0089, 0.9682,  
0.0318

 76.4771, 0.3468,  
0.3403

 76.4771, 0.3468,  
0.3403


 65.7386, 0.3707,  
0.3469

 88.6158, 0.3269,  
0.3340

 56.3395, 0.3992,  
0.3535

99.9880, 0.3127,  
0.3290

 48.2293, 0.4325,  
0.3595

 41.3509, 0.4700,  
0.3643

■ 35.6423, 0.5102,  
0.3667

■ 31.0361, 0.5500,  
0.3658

■ 27.4572, 0.5847,  
0.3607

■ 24.8177, 0.6104,  
0.3521

■ 24.4760, 0.6139,  
0.3508

# Harmonies

## Analogous

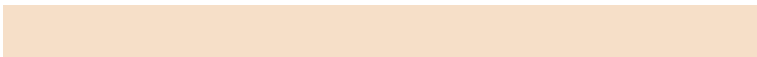
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4771, 0.3392, 0.3254



76.4771, 0.3468, 0.3403



76.4771, 0.3449, 0.3528

# Triad

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



76.4771, 0.3468, 0.3403



76.4771, 0.3006, 0.3473



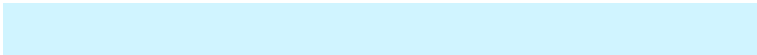
76.4771, 0.2911, 0.2997

# Complementary

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



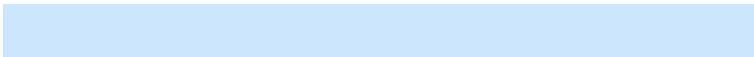
76.4771, 0.3468, 0.3403



85.2616, 0.2843, 0.3174

# 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.



76.4771, 0.2814, 0.3046



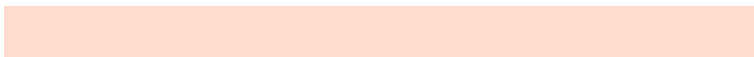
76.4771, 0.3468, 0.3403



76.4771, 0.2868, 0.3319

# Square

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



76.4771, 0.3468, 0.3403



76.4771, 0.3179, 0.3575



76.4771, 0.2798, 0.3162



76.4771, 0.3068, 0.3024

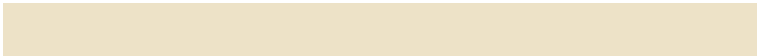


# Rectangle

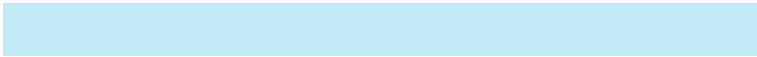
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4771, 0.3468, 0.3403



76.4771, 0.3386, 0.3581



76.4771, 0.2798, 0.3162



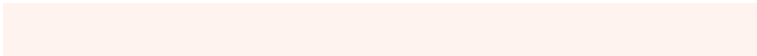
76.4771, 0.2871, 0.3005

# Sweetspot

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



76.4805, 0.3468, 0.3403



91.8136, 0.3226, 0.3325



72.8844, 0.3224, 0.2934



19.4679, 0.3237, 0.3329



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.



76.4805, 0.3468, 0.3403



72.5135, 0.3549, 0.3426



89.5543, 0.3427, 0.3633



18.6804, 0.3289, 0.3347



12.9844, 0.6112, 0.3529

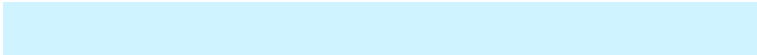


1.4231, 0.5898, 0.3699

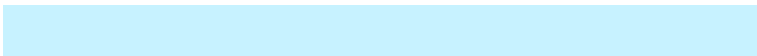


# Inverse Universe

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



85.2616, 0.2843, 0.3174



82.7365, 0.2789, 0.3149



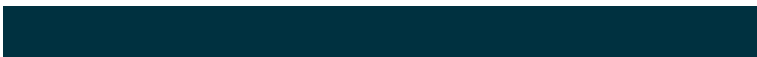
72.0773, 0.2829, 0.2922



19.7145, 0.2980, 0.3233



24.4125, 0.2031, 0.2510

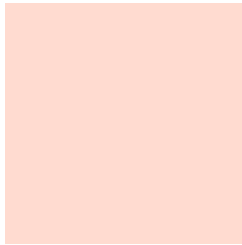


2.5435, 0.2058, 0.2609



# Previews

## White Background



This preview shows how the Yxy color 76.4771, 0.3468, 0.3403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

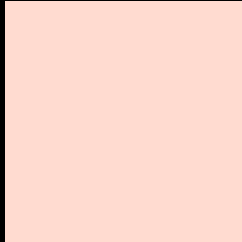
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4771, 0.3468, 0.3403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

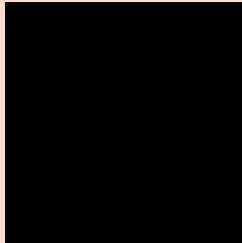
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.4771, 0.3468, 0.3403**

## Background



This preview shows how black text looks on a background with the Yxy color 76.4771, 0.3468, 0.3403.

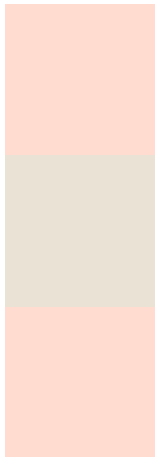


This preview shows how white text looks on a background with the Yxy color 76.4771, 0.3468, 0.3403.

# 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

76.4771, 0.3468, 0.3403

### Protanopia

76.6386, 0.3276, 0.3439

### Deuteranopia

76.4771, 0.3468, 0.3403




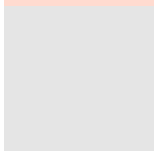
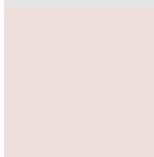
## Tritanopia

76.7119, 0.3301, 0.3141

# Trichromacy

	<b>Original Color</b> 76.4771, 0.3468, 0.3403
	<b>Protanomaly</b> 76.3557, 0.3344, 0.3416
	<b>Deuteranomaly</b> 76.4771, 0.3468, 0.3403
	<b>Tritanomaly</b> 76.7305, 0.3363, 0.3240

# Monochromacy

	<b>Original Color</b> 76.4771, 0.3468, 0.3403
	<b>Achromatopsia</b> 78.3538, 0.3127, 0.3290
	<b>Achromatomaly</b> 77.2480, 0.3245, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4771, 0.3468, 0.3403 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, 219, 208) looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 208)  
}
```

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, 219, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4771, 0.3468, 0.3403 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, 219, 208) }
```

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

```
.border{ border-color:rgb(255, 219, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 219, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4771, 0.3468, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 208) }
```

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

```
.background{ background-color: rgb(255,  
219, 208) }
```

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