

Converting Colors

$Y_{xy}(77.8322, 0.3616, 0.3674)$

Have a look what the booklet for
Yxy(77.8322, 0.3616, 0.3674)
contains.

Yxy(77.5805, 0.3617, 0.3669)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.5805, 0.3617, 0.3669)

Conversions

Conversions Part 1

Format	Color
Hex	FFDFBA
RGB	255, 223, 186
RGB Percent	100%, 87%, 73%
CMY	0.0001, 0.1254, 0.2707
CMYK	0.00, 0.13, 0.27, 0.00
HSL	32°, 100%, 86%
HSV	32°, 27%, 100%
XYZ	76.4810, 77.5805, 57.3872
YIQ	228.3500, 30.9490, -4.7230

Conversions

Conversions Part 2

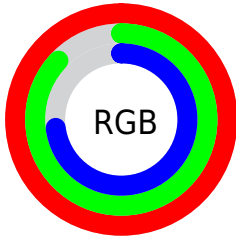
Format	Color
R _Y B	246, 255, 186
Decimal	16768954
CIE Lab	90.59, 5.63, 22.22
CIE LCh	91, 22.921, 75.787
Yxy	77.5805, 0.3617, 0.3669
Android (android.graphics.Color)	4294959034 (0xFFFFDFBA)
YUV	228.3500, -20.8785, 23.3721
Hunter-Lab	88.0798, 0.8545, 23.0263

Details

The Yxy color **77.5805, 0.3617, 0.3669** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.7644, 0.2691, 0.2878**, and the grayscale version is **77.9907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **41.5690, 0.3722, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **70.5020, 0.3840, 0.3815**, and if you desaturate by 10%, it is **85.2997, 0.3417, 0.3524**.

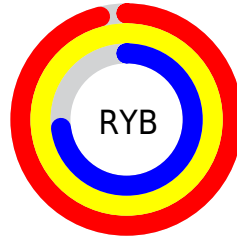
Distribution



Red (100%)

Green (87%)

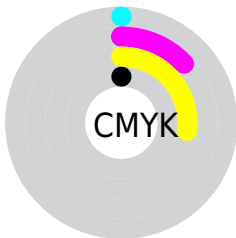
Blue (73%)



Red (96%)

Yellow (100%)

Blue (73%)

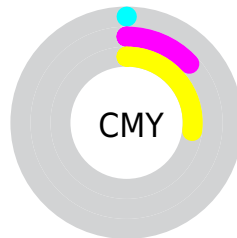


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5805, 0.3617, 0.3669 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 77.5805, 0.3617, 0.3669 by changing the saturation by 10% instead.


 77.5805, 0.3617,
0.3669

 77.5805, 0.3617,
0.3669


486.7410, 0.3392,
0.3499

 57.7294, 0.3668,
0.3706


 129.9586, 0.3540,
0.3611

 41.5912, 0.3730,
0.3752


163.2544, 0.3509,
0.3588

 28.7813, 0.3807,
0.3808


201.8006, 0.3483,
0.3569

 18.9154, 0.3907,
0.3878

245.9816, 0.3460,
0.3551

 11.6092, 0.4040,
0.3969

296.1817, 0.3440,
0.3536

 6.4782, 0.4224,
0.4090

352.7854, 0.3423,

 3.1380, 0.4490,

0.3522

0.4252

416.1770, 0.3407,
0.3510

■ 1.2042, 0.5232,
0.4768

■ 0.0651, 0.7537,
0.2463

■ 77.5805, 0.3617,
0.3669

■ 77.5805, 0.3617,
0.3669

■ 70.5020, 0.3840,
0.3815

■ 85.2997, 0.3417,
0.3524

■ 64.0345, 0.4083,
0.3954

■ 93.6672, 0.3239,
0.3384

■ 58.1609, 0.4340,
0.4077

99.9945, 0.3127,
0.3290

■ 52.8594, 0.4603,
0.4172

■ 48.1059, 0.4856,
0.4226

■ 43.8736, 0.5085,
0.4228

■ 40.1305, 0.5275,
0.4175

■ 39.1112, 0.5326,
0.4153

Harmonies

Analogous

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



77.5805, 0.3663, 0.3478



77.5805, 0.3617, 0.3669



77.5805, 0.3437, 0.3768

Triad

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



77.5805, 0.3617, 0.3669



77.5805, 0.2712, 0.3307



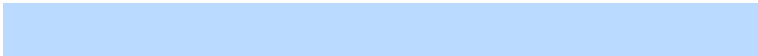
77.5805, 0.3057, 0.2895

Complementary

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



77.5805, 0.3617, 0.3669



67.7644, 0.2691, 0.2878

Split Complementary

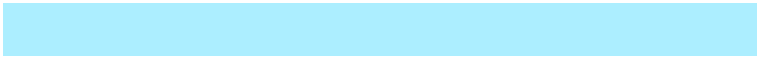
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5805, 0.2812, 0.2841



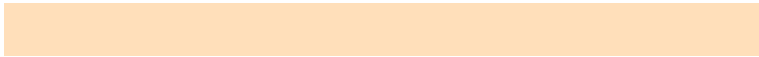
77.5805, 0.3617, 0.3669



77.5805, 0.2620, 0.3065

Square

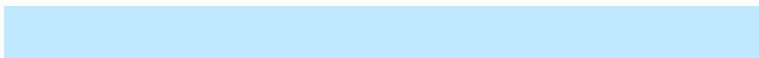
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5805, 0.3617, 0.3669



77.5805, 0.2914, 0.3558



77.5805, 0.2655, 0.2899



77.5805, 0.3332, 0.3042

Rectangle

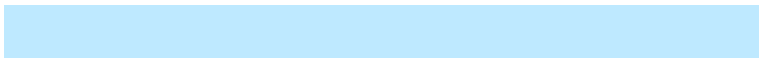
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5805, 0.3617, 0.3669



77.5805, 0.3269, 0.3759



77.5805, 0.2655, 0.2899



77.5805, 0.2969, 0.2865

Sweetspot

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



77.5840, 0.3617, 0.3669



92.8741, 0.3255, 0.3397



61.4362, 0.3445, 0.2962



19.6023, 0.3281, 0.3418



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.



77.5840, 0.3617, 0.3669



74.0246, 0.3724, 0.3741



95.8670, 0.3522, 0.3972



19.6023, 0.3281, 0.3418



20.7438, 0.5302, 0.4172



2.2385, 0.5141, 0.4300

Inverse Universe

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



67.7644, 0.2691, 0.2878



62.8349, 0.2607, 0.2790



53.0558, 0.2669, 0.2511



18.7644, 0.2979, 0.3159



10.8476, 0.1737, 0.1453



1.2721, 0.1797, 0.1667

Previews

White Background



This preview shows how the Yxy color 77.5805, 0.3617, 0.3669 looks on a white background.

Color Contrast Check

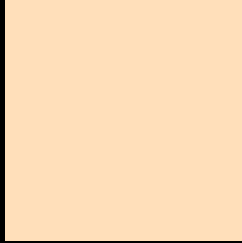
Large Text (above 18pt) WCAG AA × Fail

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 77.5805, 0.3617, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

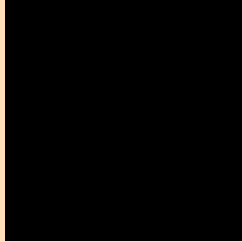
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5805, 0.3617, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 77.5805, 0.3617, 0.3669.

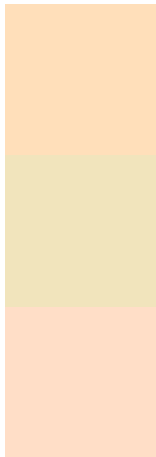


This preview shows how white text looks on a background with the Yxy color 77.5805, 0.3617, 0.3669.

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

77.5805, 0.3617, 0.3669

Protanopia

77.8184, 0.3486, 0.3712

Deuteranopia

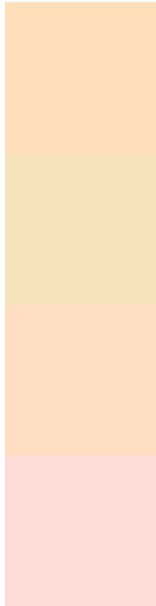
77.6261, 0.3527, 0.3525



Tritanopia

77.7492, 0.3299, 0.3161

Trichromacy



Original Color

77.5805, 0.3617, 0.3669

Protanomaly

77.5734, 0.3535, 0.3697

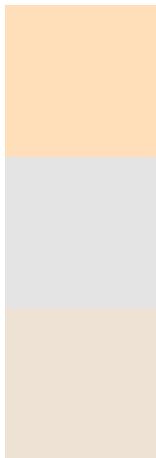
Deuteranomaly

77.3976, 0.3563, 0.3576

Tritanomaly

77.3527, 0.3417, 0.3341

Monochromacy



Original Color

77.5805, 0.3617, 0.3669

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.3740, 0.3298, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5805, 0.3617, 0.3669 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, 223, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 186)  
}
```

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, 223, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 186) }
```

Border

The CSS property to change the border of an element to Yxy 77.5805, 0.3617, 0.3669 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, 223, 186) }
```

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

```
.border{ border-color:rgb(255, 223, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 223, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 223, 186); box-shadow:4px 4px 4px 4px rgb(255, 223, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5805, 0.3617, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 186) }
```

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

```
.background{ background-color: rgb(255,  
223, 186) }
```

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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