

Converting Colors

$Yxy(89.3736, 0.4006, 0.3838)$

Have a look what the booklet for
Yxy(89.3736, 0.4006, 0.3838)
contains.

Yxy(80.7559, 0.3708, 0.3899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.7559, 0.3708, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6AA
RGB	255, 230, 170
RGB Percent	100%, 90%, 67%
CMY	0.0000, 0.0981, 0.3334
CMYK	0.00, 0.10, 0.33, 0.00
HSL	42°, 100%, 83%
HSV	42°, 33%, 100%
XYZ	76.7999, 80.7559, 49.5637
YIQ	230.6350, 34.1600, -13.3600

Conversions

Conversions Part 2

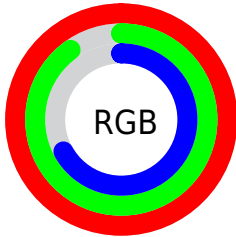
Format	Color
RYB	205, 255, 170
Decimal	16770730
CIELab	92.02, 0.09, 32.40
CIELCh	92, 32.396, 89.843
Yxy	80.7559, 0.3708, 0.3899
Android (android.graphics.Color)	4294960810 (0xFFFFE6AA)
YUV	230.6350, -29.8931, 21.3681
Hunter-Lab	89.8643, -4.7126, 30.2042

Details

The Yxy color **80.7559, 0.3708, 0.3899** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.7919, 0.2563, 0.2594**, and the grayscale version is **79.8297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **43.8146, 0.3832, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **75.7955, 0.3907, 0.4081**, and if you desaturate by 10%, it is **86.0788, 0.3518, 0.3712**.

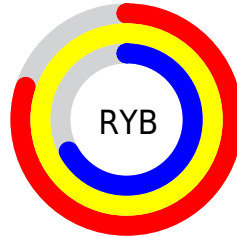
Distribution



Red (100%)

Green (90%)

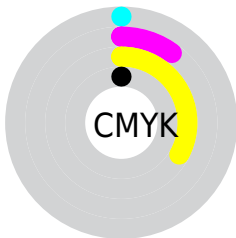
Blue (67%)



Red (80%)

Yellow (100%)

Blue (67%)

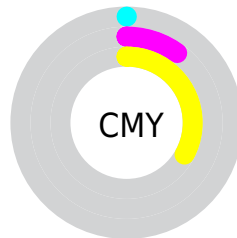


Cyan (0%)

Magenta (10%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7559, 0.3708, 0.3899 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 80.7559, 0.3708, 0.3899 by changing the saturation by 10% instead.


 80.7559, 0.3708,
0.3899

 80.7559, 0.3708,
0.3899

497.4766, 0.3447,
0.3626

 60.3406, 0.3765,
0.3959


 134.4280, 0.3619,
0.3806

 43.6932, 0.3834,
0.4031


168.4535, 0.3584,
0.3770

 30.4294, 0.3918,
0.4119


207.7846, 0.3554,
0.3738

 20.1647, 0.4024,
0.4230

252.8056, 0.3527,
0.3710

 12.5149, 0.4158,
0.4370

303.9009, 0.3504,
0.3685

 7.0953, 0.4331,
0.4551

361.4549, 0.3483,

 3.5218, 0.4615,

0.3663

0.4848

425.8520, 0.3464,
0.3643

■ 1.4098, 0.4879,
0.5121

■ 0.2240, 0.4898,
0.5102

■ 80.7559, 0.3708,
0.3899

■ 80.7559, 0.3708,
0.3899

■ 75.7955, 0.3907,
0.4081

■ 86.0788, 0.3518,
0.3712

■ 71.1909, 0.4109,
0.4247

■ 91.7829, 0.3341,
0.3527

■ 66.9258, 0.4306,
0.4388

■ 97.8773, 0.3178,
0.3348

■ 62.9843, 0.4488,
0.4492

100.0000, 0.3127,
0.3290

■ 59.3485, 0.4647,
0.4549

■ 55.9970, 0.4774,
0.4555

■ 53.9024, 0.4844,
0.4536

Harmonies

Analogous

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



80.7559, 0.3872, 0.3675



80.7559, 0.3708, 0.3899



80.7559, 0.3391, 0.3966

Triad

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



80.7559, 0.3708, 0.3899



80.7559, 0.2476, 0.3139



80.7559, 0.3206, 0.2831

Complementary

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



80.7559, 0.3708, 0.3899



54.7919, 0.2563, 0.2594

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.



80.7559, 0.2835, 0.2694



80.7559, 0.3708, 0.3899



80.7559, 0.2432, 0.2847

Square

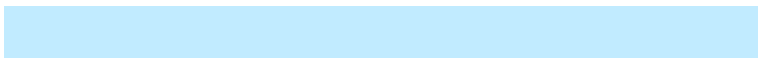
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7559, 0.3708, 0.3899



80.7559, 0.2684, 0.3505



80.7559, 0.2559, 0.2694



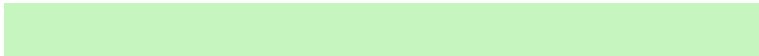
80.7559, 0.3575, 0.3074

Rectangle

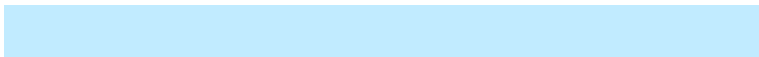
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7559, 0.3708, 0.3899



80.7559, 0.3141, 0.3893



80.7559, 0.2559, 0.2694



80.7559, 0.3077, 0.2771

Sweetspot

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



80.7538, 0.3708, 0.3899



93.7729, 0.3285, 0.3466



53.9681, 0.3673, 0.3026



19.8907, 0.3308, 0.3491



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.



80.7538, 0.3708, 0.3899



77.4103, 0.3840, 0.4021



92.5987, 0.3516, 0.4159



20.1353, 0.3276, 0.3457



28.4367, 0.4830, 0.4547



2.9584, 0.4740, 0.4618

Inverse Universe

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



54.7919, 0.2563, 0.2594



47.8593, 0.2439, 0.2426



46.5293, 0.2642, 0.2324



18.2482, 0.2979, 0.3117



6.6253, 0.1606, 0.0980



0.8247, 0.1666, 0.1198

Previews

White Background



This preview shows how the Yxy color 80.7559, 0.3708, 0.3899 looks on a white background.

Color Contrast Check

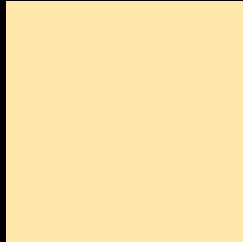
Large Text (above 18pt) WCAG AA × Fail

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 80.7559, 0.3708, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

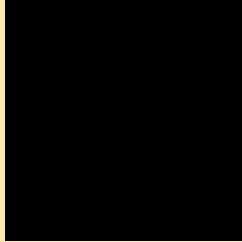
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7559, 0.3708, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 80.7559, 0.3708, 0.3899.



This preview shows how white text looks on a background with the Yxy color 80.7559, 0.3708, 0.3899.

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

80.7559, 0.3708, 0.3899

Protanopia

80.7932, 0.3650, 0.3918

Deuteranopia

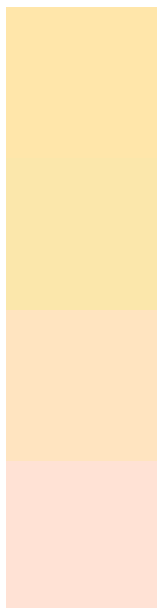
80.5578, 0.3482, 0.3523



Tritanopia

80.6857, 0.3260, 0.3162

Trichromacy



Original Color

80.7559, 0.3708, 0.3899

Protanomaly

80.6013, 0.3668, 0.3905

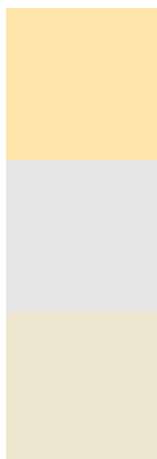
Deuteranomaly

80.5526, 0.3563, 0.3656

Tritanomaly

80.4568, 0.3421, 0.3422

Monochromacy



Original Color

80.7559, 0.3708, 0.3899

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2805, 0.3333, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7559, 0.3708, 0.3899 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, 230, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 170)  
}
```

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, 230, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 170) }
```

Border

The CSS property to change the border of an element to Yxy 80.7559, 0.3708, 0.3899 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, 230, 170) }
```

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

```
.border{ border-color:rgb(255, 230, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7559, 0.3708, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 170) }
```

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

```
.background{ background-color: rgb(255,  
230, 170) }
```

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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